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DP-95 B, DP-95 WH digital piano





user manual

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Table of contents

1	General information	. 5
	1.1 Further information	. 5
	1.2 Notational conventions	. 5
	1.3 Symbols and signal words	. 6
2	Safety instructions	. 7
3	Features	. 9
4	Assembly instructions	10
5	Control panel and connections	16
6	Connectivity options	21
7	Switching on / off, basic operation	23
	7.1 Turning the digital piano on and off	23
	7.1.1 Normal switching on / off	23
	7.1.2 Automatic shutdown	23
	7.2 Setting up the digital piano, Function menu	23
	7.2.1 Fine tuning	24
	7.2.2 Split point	25
	7.2.3 Beats	25
	7.2.4 Metronome volume	25
	7.2.5 Pedal function selection	26
	7.2.6 Reverb volume	26
	7.2.7 Chorus volume	26
	7.2.8 Selecting a setting for the Harmony mode	27
	7.2.9 Effects depth in Harmony mode	28
	7.2.10 Midi receive channel (Midi In)	28
	7.2.11 MIDI send channel (Midi Out)	28
	7.2.12 Automatic shutdown	29
	7.2.13 Time signature	29
	7.3 Adjusting the volume	29
	7.4 Setting the Brilliance	30
	7.5 Transposing	30
	7.6 Touch sensitivity	30
	7.7 DSP effects depth	31
	7.8 Factory defaults	31
8	Operating	32
	8.1 Demo songs	32
	8.2 Practise songs	32
	8.3 Metronome	34
	8.4 Piano mode	35
	8.5 Dual mode	35
	8.6 Split mode	35
	8.7 TWINOVA	36

3

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	8.8 Selecting voices	36
	8.9 Harmony mode	37
	8.10 Playing with accompaniment	37
	8.10.1 Style selection	37
	8.10.2 Playing Styles, Chord mode	37
	8.10.3 Tempo	38
	8.10.4 Mixer	38
	8.11 Auto Accompaniment	39
	8.12 Accompaniment track volume, muting	39
	8.13 Performance Assistant	39
	8.13.1 GUITAR mode	40
	8.13.2 PIANO mode	41
	8.13.3 TRADITIONAL CHINESE INSTRUMENTS mode	41
	8.14 Chord detection	41
	8.15 Historic tunings	44
	8.16 One Touch Setting	45
	8.17 Record, playback, delete	45
	8.17.1 Song recording	46
	8.17.2 Playback recordings	47
	8.17.3 Delete recording	47
	8.18 Memory	47
	8.18.1 Memory banks	47
	8.18.2 Load / save parameters	48
	8.18.3 Lock function	48
	8.19 Song album	48
	8.20 Chord dictionary	49
	8.21 MIDI functions	50
	8.22 USB connection	50
9	Troubleshooting	51
10	Voice list	52
11	Styles list	61
12	Practise and demo songs	65
13	Chord list	67
14	MIDI implementation chart	69
15	Technical specifications	
16	Protecting the environment	



1 General information

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

1.1 Further information

On our website (<u>www.thomann.de</u>) you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings	The letterings for connectors and controls are marked by square brackets and italics.
	Examples: [VOLUME] control, [Mono] button.
Displays	Texts and values displayed on the device are marked by quotation marks and italics.

Examples: '24ch', 'OFF'.



Instructions

The individual steps of an instruction are numbered consecutively. The result of a step is indented and highlighted by an arrow.

Example:

- **1.** Switch on the device.
- **2.** Press [Auto].
 - \Rightarrow Automatic operation is started.
- **3.** Switch off the device.

Cross-references

References to other locations in this manual are identified by an arrow and the specified page number. In the electronic version of the manual, you can click the crossreference to jump to the specified location.

Example: See 🖏 'Cross-references' on page 6.

1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in mate- rial and environmental damage if it is not avoided.
Warning signs	Type of danger
	Warning – high-voltage.
	Warning – danger zone.



2 Safety instructions

Intended use

This device is intended to be used for electronic sound generation using a piano keyboard. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety



DANGER! Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.



DANGER!

Electric shock caused by short-circuit

Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.



DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

CAUTION! Possible h

Possible hearing damage

With loudspeakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment.

Do not operate the device permanently at a high volume level. Decrease the volume level immediately if you experience ringing in your ears or hearing impairment.

DP-95 B, DP-95 WH

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CAUTION! Risk of injury due to heavy weight

Due to the heavy weight of the device, at least two persons are required for transport and installation.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.



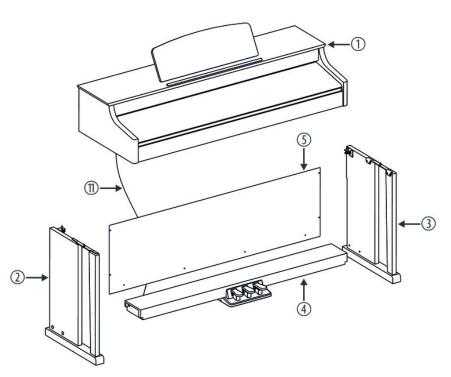
3 Features

The digital piano is characterized by the following features:

- 88 weighted keys with hammer action, touch velocity in 3 steps.
- Multi function LCD.
- User-friendly controls and indicators.
- 500 voices.
- 200 preprogrammed styles.
- 60 preprogrammed practise songs.
- Three memory locations for user songs.
- Song album with 120 songs.
- Two demo songs.
- Sequencer function.
- Single and multi-finger chord detection.
- Recording function.
- Eight memory banks, each with four memory locations.
- Mixer function.
- Connections: USB, 2 × headphones, AUX, MIDI, pedal box.



4 Assembly instructions



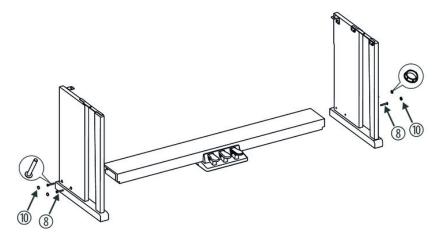
You need a Phillips screwdriver (not supplied) for the assembly of the digital piano. Open the package and please make sure before assembling that the entire scope of delivery is present, as posted here.

1	Digital piano housing with music stand
2	Left side panel
3	Right side panel
4	Pedal box
5	Back panel
6	$2 \times screws M6 \times 18$
7	2 × hand screws
8	$4 \times screws M6 \times 40$
9	$8 \times screws M4 \times 15$
10	4 × plastic caps
11	Pedal cable
12	Power cord

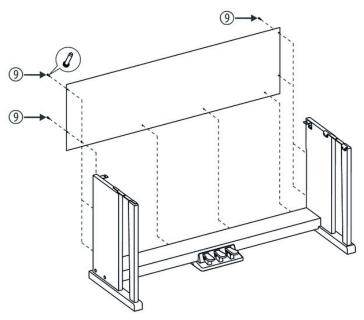


Mechanical assembly

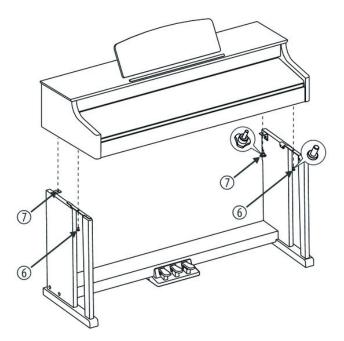
- **1.** Assemble the piano near a wall power outlet.
- **2.** Proceed according to the illustrations and exclusively use the supplied screws. Using other screws could damage the piano housing or result in a reduced stability of the piano.



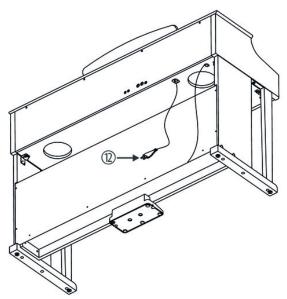
3. Put the pedal box between the left and right side panel and use two screws $M6 \times 40$ on each side to affix both side panels to the pedal box.



4. Attach the back panel with eight screws $M4 \times 15$ to the pedal box and to the rear sides of the side panels.



5. Place the digital piano case on the frame and secure it with two screws $M6 \times 18$ and the two thumbscrews.



6. Fasten the cables to the stand. Insert the DIN plug of the pedal cable into the provided socket on the bottom side of the digital piano. Move the digital piano to its designated location.

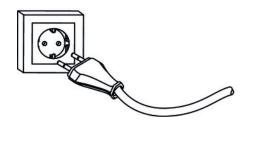


Mains connection

VOLUME



- **1.** Make sure that the device is turned off before you connect it to the power supply or disconnect it.
- **2.** Turn the volume control to minimum.

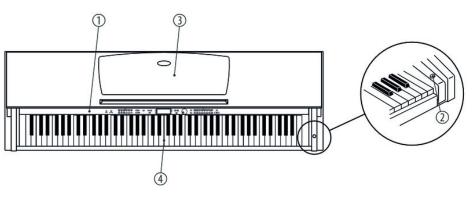


- **3.** Plug the power cord into a 230 V AC outlet.
- **4.** Now you can turn on the device.

If the piano is not in use or when a thunderstorm with danger of lightning threatens, disconnect the device from its mains power for safety.

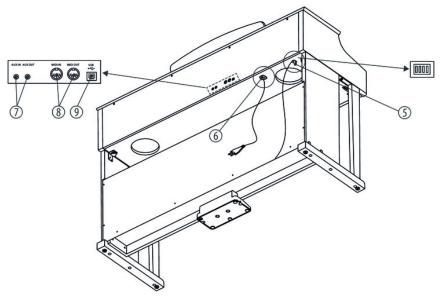


Assembly overview



Top view

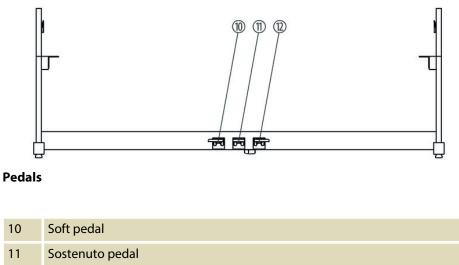
1	Operating panel
2	Main switch
3	Music stand
4	Claviature



Rear panel

5	Connection for pedal cable
6	Power cord
7	AUX input, AUX output
8	MIDI input, MIDI output
9	USB port



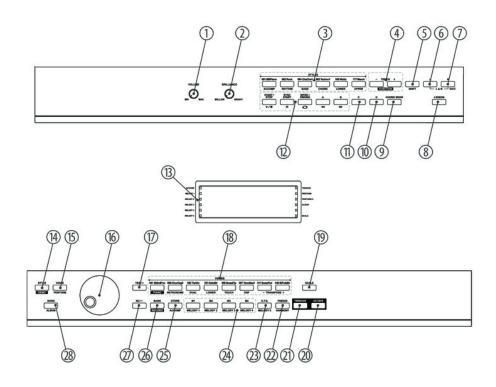


11	Sostenuto pedal
12	Sustain pedal



DP-95 B, DP-95 WH

5 Control panel and connections



1	[VOLUME]
	Rotary volume control.
2	[BRILLIANCE]
	Rotary brilliance control.
3	[STYLES]
	Single button function: direct Style selection.
	Button function with pressed [SHIFT] button in 'MIXER' mode:
	■ [ACCOMP]
	Setting the accompaniment track volume.
	■ [RYTHM]
	Setting the rhythm section volume.
	BASS]
	Setting the bass section volume.
	[CHORD]
	Setting the chord section volume.
	[LOWER]
	Setting the dual voice volume.
	UPPER]
	Setting the first voice volume.



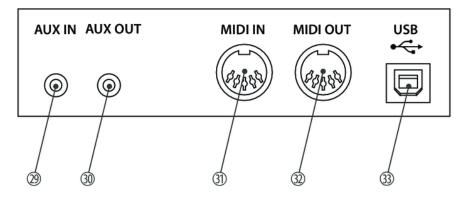
1	[TEMPO +] [TEMPO –] [FUNCTION]
7	Single button function: Increasing / decreasing playback tempo.
	Button function with pressed [SHIFT] button: Opening function menu
_	
5	[SHIFT]
	Enables the second function of doubly assigned function buttons.
6	
	Left hand voice selection button in lesson mode.
7	[R] [DICT]
	Single button function: Right hand voice selection button in lesson mode.
	Button function with pressed [SHIFT] button: Opening chord dictionary.
8	[LESSON]
	Button to call the lesson mode.
9	[CHORD MODE]
	Button to call the chord mode.
10	[D]
	Button to insert a fill bar (Fill-in D).
11	[C]
	Button to insert a fill bar (Fill-in C).
12	Buttons for operating mode STYLE Buttons for operating mode SONG
	■ START / STOP ►■
	SYNC / START PAUSE
	 INTRO / ENDING REPEAT ∞ FILL A REW ◄
	■ FILL B ■ FF ►►
13	Display.
	[STYLE] [DEMO]
	Single button function: Calling Style mode.
	Button function with pressed [SHIFT] button: Calling Demo mode.
15	[VOICE] [PERFORM]
	Single button function: Calling Voice mode.
	Button function with pressed [SHIFT] button: Calling Performance-Assistant mode
16	Jog dial for selecting functions, parameters and values.
17	[YES/+].
	Increases the displayed value by one.

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18	[VOICES]
	Single button function: direct Voice selection.
	Button function with pressed [SHIFT] button:
	■ [PIANO]
	Calling Piano mode.
	[METRONOME] Turning the metronome on and off.
	[DUAL]
	Enabling / disabling right hand voice (R2).
	 [LOWER] Enabling / disabling left hand voice (L).
	[TOUCH]
	Enabling default setting.
	[DSP] Turning digital effects on and off.
	[TRANSPOSE -/+]
	Transposing the entire claviature up or down.
19	[SCALE]
	Enables / disables the selection of historic tunings.
20	[OCTAVE]
	Button for octaving the keyboard in TWINOVA mode.
21	[TWINOVA]
	Enables / disables the TWINOVA mode.
22	[FREEZE] [HARMONY]
	Single button function: Calling Freeze mode.
	Button function with pressed [SHIFT] button: Calling Harmony mode.
23	[O.T.S.] [MELODY 5]
	Single button function: Enabling One Button Operation.
	Button function with pressed [SHIFT] button: Record enabling melody track 5.
24	[M1] [M4] [MELODY 1] [MELODY 4]
	Single button function: Calling user settings M1 M4.
	Button function with pressed [SHIFT] button: Record enabling melody tracks 1 4.
25	[STORE] [ACCOMP]
	Single button function: Saving current values as user setting.
	Button function with pressed [SHIFT] button: Record enabling accompaniment track.
26	[BANK] [RECORD]
	Single button function: Selecting memory bank.
	Button function with pressed [SHIFT] button: Enabling Recording mode.

27	[NO/-].	
	Decreases the displayed value by one.	
28	8 [SONG] [ALBUM]	
	Single button function: Calling Song mode.	
	Button function with pressed [SHIFT] button: Calling Album mode.	

Rear panel connections

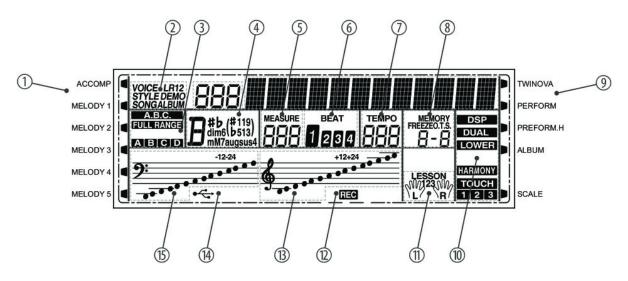


29	[AUX IN]
	Input socket for connecting an external audio device (e.g. MP3 or CD player).
30	[AUX OUT]
	Output socket for connecting the digital piano to an amplifier, stereo system, mixer or recording device.
31	[MIDI IN]
	MIDI in for connecting an external MIDI device.
32	[MIDI OUT]
	MIDI out for connecting an external MIDI device.
33	[USB]
	USB interface to connect a computer.



DP-95 B, DP-95 WH

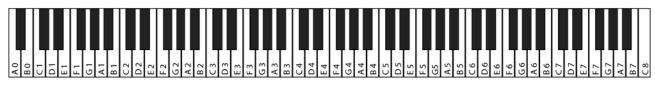
Display



1	Accompaniment track / Melody track 1 5	9	Operating mode TWINOVA, PERFORM, PER- FORM.H, ALBUM, SCALE
2	Operating mode VOICE, STYLE, DEMO, SONG, ALBUM	10	Operating mode DSP, DUAL, LOWER, HAR- MONY, TOUCH
3	Chord detection, Full Range, Accompaniment track section	11	Lesson mode, left / right hand active
4	Chord	12	Record
5	Bar	13	Note in treble clef
б	Beat	14	USB connection
7	Tempo	15	Note in bass clef
8	Memory bank, memory location		

Piano keys

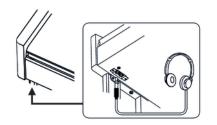
The keyboard keys are referred to in this manual as shown below.





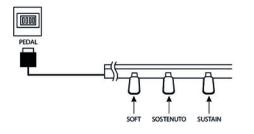
6 Connectivity options

Headphones



To the left beneath the keyboard you find the headphones outlets 1 and 2. Connecting headphones (not supplied) to outlet 2 mutes the speakers. Using outlet 1 maintains the sound output through the speakers.

Pedals



- **1.** Connect the foot pedal to the provided connector on the bottom of the pedal box.
- 2. Pedal functions:

Soft pedal

Using the Soft pedal makes the piano sound smoother and the overall volume is attenuated.

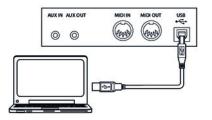
Sostenuto pedal

When stepping on the Sostenuto pedal, the currently played notes linger until you release the pedal.

Sustain pedal

With the sustain pedal all played notes sound longer. This effect simulates the lifting of the damper in an analogue keyboard instrument.

Computer



MIDI port



USB port

The USB port provides data exchange with a computer.

MIDI connections

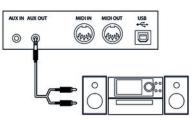
MIDI stands for 'Musical Instrument Digital Interface' and represents a global standard for the communication of numerous electronic instruments and sound modules.

- MIDI IN: The device receives MIDI data from other devices through this port.
- MIDI OUT: MIDI data generated by the digital piano is sent to other MIDI devices through this port.

DP-95 B, DP-95 WH



External audio devices



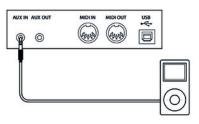
Via the socket [AUX OUT] you can connect the digital piano to an amplifier, stereo device, mixing console or recording device. Plug one end of the audio cable into the [AUX OUT] socket on the rear panel of the digital piano, and the other end into the input of the respective audio device.



NOTICE!

To prevent damage to the speakers, turn the volume down to 'Minimum' before you connect other devices to the digital piano.

MP3 / CD player



Via the socket [AUX IN] you can connect a, for example, CD or MP3 player to the digital piano. So you can playback music through the internal speakers of the digital piano and simultaneously play along to it. Plug one end of the audio cable into the [AUX IN] socket on the rear panel of the digital piano, and the other end into the output of the respective audio device.



7 Switching on / off, basic operation

7.1 Turning the digital piano on and off

7.1.1 Normal switching on / off



Press the power button on the right of the claviature to turn the device on and off.

If the display does not light up after switching on the digital piano, check the power supply.

If you hear nothing coming from the speakers, the volume may be set to 'minimum'.

7.1.2 Automatic shutdown

If the digital piano is not in use, it shuts off after 30 minutes automatically. For adjusting or disabling the automatic shutdown, please proceed as described here & Chapter 7.2.12 'Automatic shutdown' on page 29.

To turn the device on again after an automatic shutdown, press the on / off switch to the right of the claviature.

7.2 Setting up the digital piano, Function menu

Simultaneously press the buttons [SHIFT] and [FUNCTION + | –] to call the Functions menu. Select the desired sub menu using the buttons [FUNCTION + | –]. You can then change the following parameters using the jog dial or the buttons [YES / +] and [NO / –:] ändern:

Option	LCD	Control range	Default value
Fine tuning	Tune	-50 50	000
Split point	KeySplit	1 88	034
Beats	BeatType	0, 2 9	004
Metronome volume	MetroVol	0 127	90
Pedal function	Pedal	Sust, St/T, Mem	Sust
Reverb volume	ReverbVol	0 127	Depending on the selected voice
Chorus volume	ChorusVol	0 127	Depending on the selected voice

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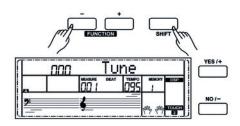
DP-95 B, DP-95 WH

Option	LCD	Control range	Default value
Selection Harmony setting	XXXX	Duet, Standard Trio, Full Chord, Rock Duet, Country Duet, Country Trio, Block, 4 Close 1, 4 Close 2, 4 Open, 1+5, Octave, Strum, Echo, Tremolo, Trill	Duet
Effects depth Har- mony setting	HarmonySpeed	14	1
MIDI receive channel	Midi In	1 16, ALL	ALL
MIDI send channel	Midi Out	1 16	001
Automatic shutoff	Power off	030, 060, OFF	030
Time signature	Perform Beat	4-4, 3-4, 2-4, 6-8	4–4



If you don't press any key within five seconds after entering the function menu, the menu is automatically closed.

7.2.1 Fine tuning

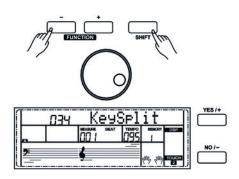


With this function you can fine tune the entire claviature in cent steps.

- **1.** Use [FUNCTION + |-| to switch to 'Tune' menu. The current setting appears on the display.
- **2.** Adjust the tuning using the buttons [YES / +] or [NO / –] or the jog dial in a range of –50 to +50 cents. Each time a key is pressed, the value changes by 1 cent.
- **3.** Simultaneously press [YES / +] and [NO / -], to reset the tuning to the default value.



7.2.2 Split point



7.2.3 Beats

ппч

Using this function you can select a point to split the whole claviature into two areas.

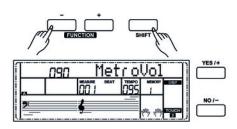
- **1.** Use [FUNCTION + |-| to switch to 'KeySplit' menu. The current setting appears on the display.
- **2.** Set the desired split point using the buttons [YES / +] or [NO / –] or the jog dial. The keys to the right of this point are the right hand area, the keys of the other sides are the left hand area (chord area).
- **3.** Simultaneously press [YES / +] and [NO / –] to reset the split point to the default value (F#3 / 034).

With this function you can set the beats in a range from 0 to 9.

- **1.** Use [FUNCTION + |-] to switch to 'BeatType' menu. The current setting appears on the display.
- **2.** Adjust the beat using the buttons [YES / +] or [NO / –] or the jog dial.
- **3.** Simultaneously press [YES / +] and [NO / -] to reset the beat to the default value (004).



BeatType

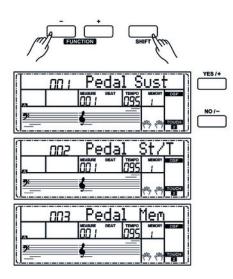


With this function you can set the metronome volume in a range from 0 to 127.

- **1.** Use [FUNCTION + |-| to switch to 'MetroVol' menu. The current setting appears on the display.
- **2.** Adjust the volume using the buttons [YES / +] or [NO / –] or the jog dial.
- **3.** Simultaneously press [YES / +] and [NO / –] to reset the volume to the default value (090).



7.2.5 Pedal function selection



7.2.6 Reverb volume

7.2.7 Chorus volume

With this function you can assign the pedal function.

- **1.** Use [FUNCTION + |-| to switch to 'Pedal' menu. The current setting appears on the display.
- **2.** Use the buttons [YES / +] or [NO / –] or the jog dial to select the desired pedal function: 'Sust' (Sustain pedal), 'St/T' (enabling / disabling accompaniment track), 'Mem' (controlling storage function).
- **3.** Simultaneously press [YES / +] and [NO / –] to reset the pedal function to the default value (Sust).

With this function you can set the Reverb effects volume in a range from 0 to 127.

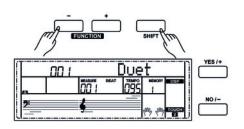
- **1.** Use [FUNCTION + |-] to switch to '*ReverbVol*' menu. The current setting appears on the display.
- **2.** Adjust the effects volume using the buttons [YES/+] or [NO/-] or the jog dial.
- **3.** Simultaneously press [YES / +] and [NO / –] to reset the effects volume to the default value (depending on the selected voice).

With this function you can set the Chorus effects volume in a range from 0 to 127.

- **1.** Use [FUNCTION + |-| to switch to 'ChorusVol' menu. The current setting appears on the display.
- **2.** Adjust the effects volume using the buttons [YES / +] or [NO / –] or the jog dial.
- **3.** Simultaneously press [YES / +] and [NO / –] to reset the effects volume to the default value (depending on the selected voice).



7.2.8 Selecting a setting for the Harmony mode



With this function you can determine a setting for the Harmony mode.

- **1.** Use [FUNCTION + |-] to switch to Harmony type menu. The description of the current setting, e.g. 'Duet', appears on the display.
- **2.** \blacktriangleright Use the buttons [YES/+] or [NO/-] or the jog dial to select the desired setting:

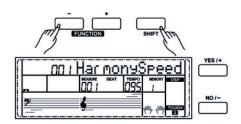
Number	Display
001	'Duet'
002	'Standard Trio'
003	'Full Chord'
004	'Rock Duet'
005	'Country Duet'
006	'Country Trio'
007	'Block'
008	'4 Close 1'
009	'4 Close 2'
010	'4 Open'
011	<i>'</i> 1+5 <i>'</i>
012	'Octave'
013	'Strum'
014	'Echo'
015	'Tremolo'
016	'Trill'

3. Simultaneously press [YES / +] and [NO / –] to load the default setting (Duet).

For the harmony settings Echo, Tremolo and Trill and you can also set the effects depth as described in the following section.



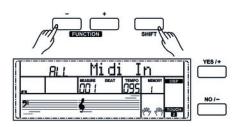
7.2.9 Effects depth in Harmony mode



With this function you can determine the effects depth for the Harmony settings Echo, Tremolo and Trill.

- **1.** Use [FUNCTION + |-] to switch to 'HarmonySpeed' menu. The current setting appears on the display.
- **2.** Adjust the Effects depth using the buttons [YES/+] or [NO/-] or the jog dial.
- **3.** Simultaneously press [YES/+] and [NO/-] to reset the effects depth to the default value (001).

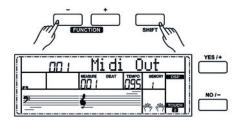
7.2.10 Midi receive channel (Midi In)



With this function you can determine on which channel the digital piano receives MIDI information from other devices.

- **1.** Use [FUNCTION + |-| to switch to 'Midi In' menu. The current setting appears on the display.
- 2. Set the desired MIDI receive channel using the buttons [YES/+] or [NO/-] or the jog dial.
- **3.** Simultaneously press [YES/+] and [NO/-] to reset the channel selection to the default value (ALL).

7.2.11 MIDI send channel (Midi Out)



With this function you can determine on which channel the digital piano sends MIDI information to other devices.

- **1.** Use [FUNCTION + |-| to switch to 'Midi Out' menu. The current setting appears on the display.
- **2.** Set the desired MIDI send channel using the buttons [YES/+] or [NO/-] or the jog dial.
- **3.** Simultaneously press [YES / +] and [NO / –] to reset the channel selection to the default value (001).



7.2.12 Automatic shutdown

With this function you can specify whether and after what time the automatic shutdown of the digital piano is carried out.

- **1.** Use [FUNCTION + |-] to switch to 'Power Off' menu. The current setting appears on the display.
- **2.** Use [YES/+] or [NO/-] or the jog dial to select one of the following options:
 - '030' (automatic shutdown after 30 minutes)
 - '060' (automatic shutdown after 60 minutes)
 - 'OFF' (automatic shutdown off).
- **3.** Simultaneously press [YES / +] or [NO / –] to enable the default setting (automatic shutdown after 30 minutes).

7.2.13 Time signature



7.3 Adjusting the volume

VOLUME



Use this function to determine a Time signature (4-4, 3-4, 2-4 or 6-8).

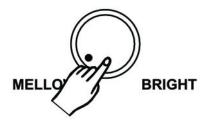
- **1.** Use [FUNCTION + |-] to switch to 'Perform Beat' menu. The current setting appears on the display.
- **2.** Adjust the Time signature using the buttons [YES / +] or [NO / -] or the jog dial.
- **3.** Simultaneously press [YES / +] and [NO / –] to reset the Time signature to the default value (4–4).

Use the rotary control [VOLUME] to set a comfortable volume for playing and practising. Turn this control clockwise to increase the volume. Turn it counter-clockwise to reduce the volume.



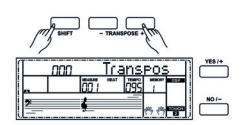
7.4 Setting the Brilliance

BRILLIANCE



Use the rotary control [BRILLIANCE] to adjust the Brilliance of the digital piano. The sound of the entire keyboard range gets softer and darker when you turn the knob to the left, and brighter and more brilliant when you turn the knob to the right.

7.5 Transposing



7.6 Touch sensitivity

With this function you can adjust the pitch of the claviature in 12 semitone steps up or down.

- **1.** Keep the button [SHIFT] pressed and adjust the pitch of the claviature using the buttons [TRANSPOSE +/-].
- **2.** Simultaneously press [YES / +] and [NO / –] to restore the default setting (no transposing).

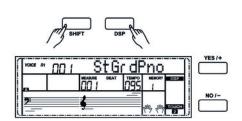
With this function you can adjust the touch response of the keyboard at four levels.

- **1.** Simultaneously press the buttons [SHIFT] and [TOUCH] to open the menu for adjusting the touch sensitivity.
- **2.** Adjust the Touch sensitivity using the buttons [YES / +] and [NO / –] or the jog dial.
- **3.** Simultaneously press [YES/+] and [NO/-] to restore the default setting (002).



Parameter	Description
'OFF'	Touch sensitivity is off. This can be very recommendable when playing the organ voice.
'001'	Soft
	In this setting, the volume is higher than usual even when playing with a soft touch.
'002'	Normal
	This setting corresponds to the usual touch response of a key- board.
'003'	Hard
	In this setting, the volume is lower than usual even when playing with a hard touch.

7.7 DSP effects depth



7.8 Factory defaults

This function lets you change the intensity of the Reverb and Chorus effects.

- **1.** This function is enabled by default when the digital piano is turned on. The DSP indicator lights up on the display.
- **2.** Simultaneously press the buttons [SHIFT] and [DSP] to turn the function off and back on again.

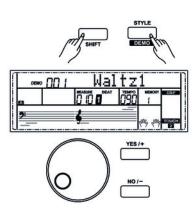
Proceed as follows to restore the factory default settings:

- **1.** Turn off the digital piano.
- **2.** When turning back on, keep the buttons [YES/+] and [NO/-] pressed.
 - ⇒ All user songs and settings are reset or deleted without further confirmation prompt. The display shows 'Wait ...!'.



8 Operating

8.1 Demo songs



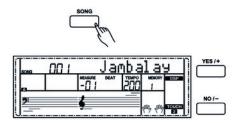
The digital piano offers a total of two demo songs.

- **1.** Simultaneously press the buttons [SHIFT] and [DEMO] to enter the DEMO mode. The first demo song is displayed and the both demo songs will be played in a endless loop.
- **2.** During playback, you can use the buttons [+/YES] and [-/NO] or the jog dial to change between both demo songs.
- **3.** Press the button [START / STOP] to stop playback.
- **4.** Simultaneously press the buttons [SHIFT] and [DEMO] to exit the DEMO mode.



In DEMO mode, only the buttons [SHIFT], [DEMO], [START / STOP], [+/YES] and [-/NO], [VOLUME] and [BRILLIANCE] as well as the jog dial are available. All other buttons are disabled.

8.2 Practise songs



The digital piano offers 60 practise songs, where you can mute the right hand voice and play this part yourself.

1. Playing and stopping practise songs

Press the button [SONG] to switch to Practise song playback mode. 'SONG' appears on the display and all practise songs are being played in an endless loop.

Press the button [START / STOP] again to stop the currently playing practise song. This will not quit the mode for rehearsal song playback 'SONG'.

2. Single loop

If you again press the button [START / STOP] again the current song will be repeated in an endless loop until you press the button [START / STOP] again.

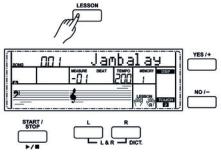
3. Selecting a practise song

Use the jog dial or the buttons [+/YES] or [-/NO] to select the desired practise song. If you select a new practise song, the display shows first the title in running text, then the abbreviation.



	4. Playback control		
	Pre-count		
	One bar will be pre-counted before playback begins. The bar display starts with a negative value. The practise song starts with bar 1.		
	Fast-forward, rewind, pause		
	Keep the ►► pressed during playback to fast-forward the practise song. Use the ◄< button to rewind bar by bar. Press the ■ button to pause playback.		
	Repeat function		
	While the practise song is being played, you can set two loop marks with the 🗢 button. Press the button at the desired start point of the loop and again at the end point.		
	5. To exit practise song playback press any direct select or function button.		
Lesson mode	When practising, it is especially important to play the right notes at the right time . In this mode you can check your progress. Press the button [<i>LESSON</i>] in SONG mode to enable the lesson mode. There are three training stages. With the buttons [<i>R</i>] and [<i>L</i>] you can specify the hand you want to practise. If you don't select a hand, the right hand will automatically be selected.		
Lesson 1 - playing in time			
	Press the button <i>[LESSON]</i> to call the lesson mode. <i>'LESSON 1'</i> appears on the display. In this mode, it is only rated whether you play the notes at the right time, but not whether you hit the right notes.		
LESSON	1. Press the button [START / STOP] to start practising.		
	2. If you have selected ' R' the right hand voice is muted and you have to play the right hand yourself. As long as you are in time, you will hear the right hand voice. If you have selected ' L' the left hand voice is muted and you have to play the left hand yourself. As long as you are in time, you will hear the left hand voice. Are both ' L' and ' R' selected the voices for both hands are muted. You then have to play in time with both hands.		

3. After completing the exercise, you will learn the result.



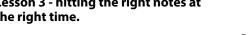
DP-95 B, DP-95 WH

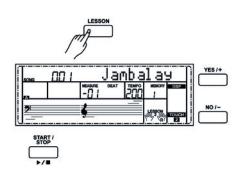


Lesson 2 - hitting the right notes

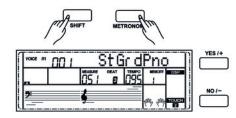
nn

Lesson 3 - hitting the right notes at the right time.





8.3 Metronome



Press the button [LESSON] to call the lesson mode 2. 'LESSON 2' appears on the display. In this mode, it is only rated whether you hit the right notes, but not whether you play them at the right time. The rehearsal song continues only when you play the right note.

- **1.** Press the button [START / STOP] to start practising.
- 2. After completing the exercise, you will learn the result.

Press again the button [LESSON] to call the lesson mode 3. (LESSON 3' appears on the display. In this mode, it is rated whether you play the right notes at the right time. The rehearsal song continues only when both is correct.

- 1. Press the button [START / STOP] to start practising.
- 2. After completing the exercise, you will learn the result.

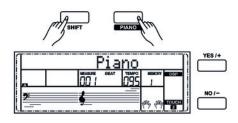
Simultaneously press the buttons [SHIFT] and [METRONOME] to turn the metronome on or off. You can select the beat in the functions menu.

If the Style mode is disabled, the beat set in the function menu is applied after turning on the metronome. If the Style mode is enabled, the beat of the current style is applied.

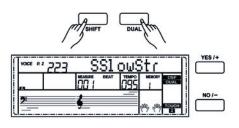
The metronome can be activated along with the style. If the style plays first, the metronome will be enabled with the next bar. On the other hand, the metronome responds instantly to the first beat of the style.



8.4 Piano mode



8.5 Dual mode



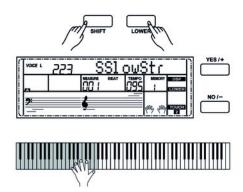
Simultaneously press the buttons [SHIFT] and [PIANO] to enable the normal piano playing mode. The entire keyboard sounds with the piano voice.

In Dual mode, you can play two voices simultaneously.

- **1.** Simultaneously press the buttons [SHIFT] and [DUAL] to enable the DUAL mode. The indicators 'VOICE R2' and 'DUAL' then light simultaneously on the display. The number and the name of the voice R2 appear on the display.
- 2. Selecting another dual voice is carried out via direct select buttons, buttons [+/YES] and [-/NO] or the jog dial.
- **3.** Press the button [DUAL] again to exit Dual mode. 'VOICE R2' is being disabled and you only hear the voice set for 'VOICE R1'. The indicators 'VOICE R2' and 'DUAL' turn off.

When the keyboard is split, the Dual mode affects only the keys to the right of the claviature split point. In the area to the left of the split point, chords are supposed to be played.

8.6 Split mode



With this function, you can assign different voices to certain keyboard areas.

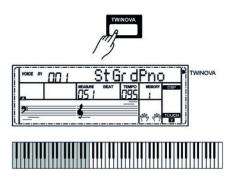
- **1.** Simultaneously press the buttons [SHIFT] and [LOWER] to enable the SPLIT mode. The indicators 'VOICE L' and 'LOWER' then light simultaneously on the display. The number and the name of the left hand voice appear on the display.
- **2.** Press the buttons [+/YES] or [-/NO] or turn the jog dial to select a desired voice for the left hand.
- **3.** Simultaneously press the buttons [SHIFT] and [LOWER] to exit Split mode. The indicators 'VOICE L' and 'LOWER' turn off.

The right hand voice is not affected by the selection for the left hand voice.

DP-95 B, DP-95 WH



8.7 TWINOVA



8.8 Selecting voices

In TWINOVA mode, the keyboard is divided into two areas with the same voice and the same pitch.

1. Voice selection

First, select the desired voice (see \Leftrightarrow Chapter 8.8 'Selecting voices ' on page 36).

2. **Enabling TWINOVA**

Press the button [TWINOVA] to switch to TWINOVA mode. The LED 'TWINOVA' lights.

3. Split point setting

See \Leftrightarrow Chapter 7.2.2 'Split point' on page 25.

4. Octave area setting

Press the button [OCTAVE]. The display shows the current setting. Adjust the octave range using the buttons [+/YES] or [-/NO] or the jog dial.

01 StOrdPro 086 ChurCleg2 188 ThaVin 231 SoldBro 280 SewetTp 297 TenoSec2 311 SewetThe 440 StPh&SBY

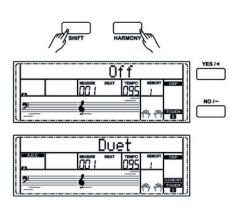
The digital piano offers 500 voices in total.

- **1.** Press the button [VOICE] or one of the direct select buttons in the [VOICES] area to enable the VOICE mode. 'VOICE R1' then lights on the display. The number and the name of the currently assigned right hand voice appear on the display.
- **2.** To select other voices press one of the direct select buttons, the buttons [+/YES] or [-/NO] or rotate the jog dial.



If you enable the VOICE mode using the [VOICE] button 'R1' (right hand voice) appears on the display. Repeatedly press the [VOICE] button to successively enable the modes 'R2' (second right hand voice in Dual mode), 'L' (left hand voice) and again 'R1' (right hand voice).

8.9 Harmony mode



In harmony mode, appropriate harmonic frequencies are automatically added to the notes played.

1. **Enabling Harmony mode**

Simultaneously press [SHIFT] and [HARMONY] to switch to Harmony mode. The display shows the standard value 'Off'.

2. Preset selection

See & Chapter 7.2.8 'Selecting a setting for the Harmony mode' on page 27

8.10 Playing with accompaniment

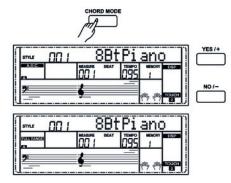
The digital piano offers a total of 200 Styles. By default, Style '001' is set.

8.10.1 Style selection



- **1.** Press the button [STYLE] or one of the direct select buttons in the [STYLES] area to enable the STYLE mode. 'STYLE' then lights on the display. The number and the name of the current Style appear on the display.
- 2. To select other Styles press one of the direct select buttons, the buttons [+/YES] or [-/NO] or rotate the jog dial.

8.10.2 Playing Styles, Chord mode



1. Instant start

Press the button [START / STOP] to start the Style.

2. Chord mode

Press the button [CHORD MODE] once to enable the Single Finger mode. The LED 'A.B.C.' lights. The area to the left of the split point is now regarded as the chord area. If you play a chord with one finger, bass and chord sound simultaneously.

Press the button [CHORD MODE] twice to enable the FULL RANGE mode. The 'FULL RANGE' LED lights. The chord area now covers the entire claviature.

tn•mann

3. SYNC START

Press the button [SYNC START] to enable the Sync Start mode. When you now press one of the piano keys in the chord area, Style accompaniment starts synchronously. Accompaniment is being automatically adjusted on chord changes.

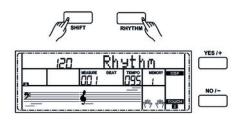
8.10.3 Tempo



All preprogrammed Styles contain certain Tempo information. These presets can be adjusted at any time.

- **1.** Press the buttons [*TEMPO*+]/[*TEMPO*-] or rotate the jog dial to adjust the tempo of a style.
- **2.** Press the buttons [TEMPO+]/[TEMPO-] simultaneously to reset the tempo to the preset default value.
 - When Style is not activated, the tempo is automatically changed along with the style to the default value.
 - When Style is activated, the tempo is not changed by the style you select.

8.10.4 Mixer

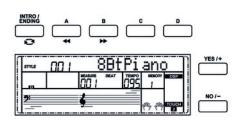


This menu is used to adjust the volume of the various style elements.

- **1.** Simultaneously press the buttons [SHIFT] and [RHYTHM] to open the Mixer menu. The display shows the option 'Rhythm' and the current volume of the element.
- **2.** Adjust the volume using the buttons [+/YES] or [-/NO] or the jog dial in a range of 0 ... 127.
- **3.** Repeatedly press the buttons [SHIFT] and [RHYTHM] to successively call the options 'Bass', 'Chord', 'Lower' and 'Upper'. The display shows the currently active option and the volume of the element.
- **4.** Adjust the volume respectively using the buttons [+/YES] or [-/NO] or the jog dial in a range of 0 ... 127.



8.11 Auto Accompaniment



The accompaniment function is controlled via four parameters: INTRO, MAIN (A, B, C, D), FILL (A, B, C, D) and ENDING.

1. INTRO

Press the button [INTRO / ENDING] before you start to play to insert an intro. Depending on the selected Style the rhythm starts with two to four bars, followed by the main part.

2. MAIN (A, B, C, D)

The main part consists of an accompaniment pattern with different sections and is repeated until you enter a new song section (FILL or ENDING). The individual sections of the main part are selected via the buttons [A], [B], [C] and [D.] angewählt.

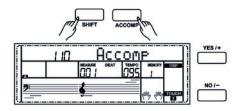
3. FILL (A, B, C, D)

Via the buttons [A], [B], [C] and [D] you can insert four different fill bars.

4. **ENDING**

If you press the button [INTRO / ENDING] while Auto Accompaniment is activated, an ending part matched to the accompaniment is inserted and the performance ends.

8.12 Accompaniment track volume, muting

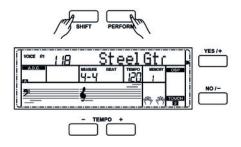


- **1.** Simultaneously press the buttons [SHIFT] and [ACCOMP]. The display shows the current volume setting of the accompaniment track.
- **2.** Adjust the accompaniment track volume using the buttons [YES / +] and [NO / -] or the jog dial in a range of 0 ... 127.
- **3.** If you press the buttons [YES/+] and [NO/-] simultaneously the accompaniment track is being muted.
- **4.** Press the buttons [YES / +] and [NO / -] simultaneously again to unmute the accompaniment track.

8.13 Performance Assistant

The 'Performance Assistant' is a playing aid, which allows you to simulate different instruments on the claviature.





8.13.1 GUITAR mode

1. Simultaneously press the buttons [SHIFT] and [PERFORM] to enable the playing aid.

GUITAR mode is enabled by default. Use the buttons [YES / +] and [NO / –] or the jog dial to select a voice.

- **2.** Adjust the Tempo using the buttons [*TEMPO* +] and [*Tempo* –] to adapt the values).
- **3.** Adjust the time signature as described under \bigotimes *Chapter 7.2.13 'Time signature'* on page 29.

In this mode, you can simulate a guitar sound on the claviature. The table shows the various play areas.

Chord area A	This area includes the keys A0 to B3 of the claviature.
	The chord type appears in the display. The root of the guitar chord sounds.
Area B1	This area includes the white keys C4 to B4 of the claviature.
	Once the chord type is displayed, you can play several figures of broken chords with the white keys in this area. While playing, you also have the possibility to vary the chord played in the chord area.
Area B2	This area includes the white keys C5 to A6 of the claviature.
	Once the chord type is displayed, you can play a solo track with the white keys in this area. While playing, you also have the possibility to vary the chord played in the chord area.
Rhythm area C	This area includes the white keys C6 to G6 of the claviature.
	Once the chord type is displayed, you can play a rhythm track with the white keys in this area. While playing, you also have the possibility to vary the chord played in the chord area.
Shift D	Key C7. Press this button to shift upwards.
	With keys A6 or B6, you have the opportunity to complete a phrase with a suitable ending.
	While playing, you can generate various reverb effects with the black keys in the areas B1 and B2.



8.13.2 PIANO mode

After enabling the playing aid, use the [YES / +] or [NO / -] buttons or the jog dial to switch to the PIANO mode.

In this mode, the entire claviature sounds with the piano voice. The table shows the various play areas.

Play basic chords in area A and an accompanying melody in areas B and C an.

Keys A6, B6 and C7 give you the opportunity to complete a phrase with a suitable ending.

8.13.3 TRADITIONAL CHINESE INSTRUMENTS mode



After enabling the playing aid, use the [YES/+] or [NO/-] buttons or the jog dial to switch to the TRADITIONAL CHINESE INSTRUMENTS mode. In this mode, you can simulate five different traditional Chinese instruments: 'Gu

In this mode, you can simulate five different traditional Chinese instruments: 'Gu Zheng', 'Pi Pa', 'San Xian', 'Yang Qin' and 'Zhong Ruan'. The table shows the various play areas.

Play basic chords in area A and an accompanying melody in areas B and C an.

Gu Zheng

Use C7 to switch to Fast-Arpeggio mode. The 21 keys from C4 to B6 then simulate the strings of the Gu Zheng with the following tuning: C, D, E, G, A, c1, d1, e1, g1, a1, c2, d2, e2, g2, a2, c3, d3, e3, g3, a3, c4. Press key C7 again to exit the mode.

8.14 Chord detection

By default, the 'Auto Bass Chord' is disabled. Press the button [CHORD MODE] to enable this 'A.B.C.' function. The area to the left of the split point is already known as the chord area. When you now play a chord, both bass and chord voices will sound together.



As the A.B.C. chord detection is based on the root note of the chord, some chords that could be played according to the chord dictionary can not be detected by A.B.C., such as B6, B_b 6, B_b 6(9), B6(9), Baug, B_baug , B_b m6, Bm6, Adim7, B_bdim7 , Bdim.

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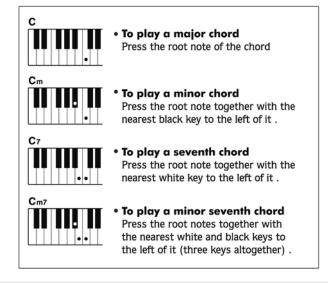


Two ways to detect a chord: Single and multi-finger mode.

If the chord is played on base of the illustration for multi-finger chords below, it will be detected as a 'multi-fingered' chord. If not, it will be detected as a 'single-finger' chord.

Single-finger chords

With this method, you can play chords with only one, two or three fingers within the capabilities of the auto accompaniment. Here we show you some examples of single finger chords (C, Cm, C7 and Cm7).



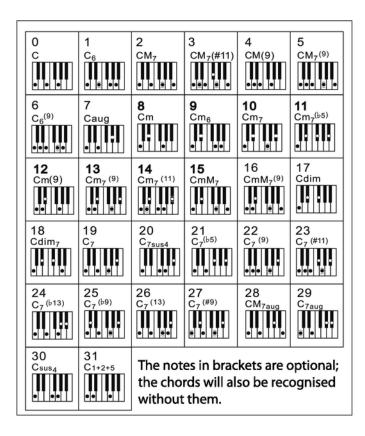


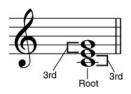
When the A.B.C. function is activated, press the keys to the left of the split point. The chords are detected as single-finger chords.

Multi-finger chords

With this method, you can play chords with normal fingering within the capabilities of the auto accompaniment. Here we show you 32 chords using the example of C chords.







Minor third - three half steps (semitones)

Major third - four half steps (semitones)



A chord consists of three or more notes played together. The most commonly used chord is the triad consisting of three notes: Root, third and fifth of the corresponding scale. The C major chord for example is formed from the notes C (root), E (the third note of the C major scale), and G (the fifth note of the C major scale). In the C major chord shown, the lowest note is the root (this is the basic form of the chord - if you play other notes of the chord as the lowest note, this is called 'chord inversion'). The root is the central sound of the chord on which the other chord notes are built upon. The interval between adjacent notes and the root determines whether the result is a major or minor third.

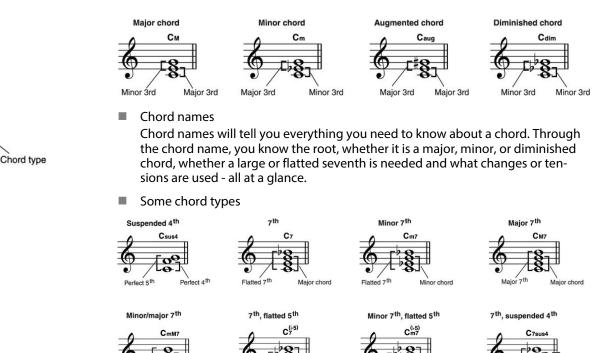
Chord structure

The lower interval in our triad (between root and third) determines whether the result is a major or minor triad. In addition, we can shift the highest note by a half step up or down to produce two additional chords.

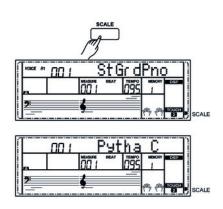
The basic characteristic of the triad remains even if we change the order of the notes to create different inversions. Consecutive chords can be softly connected in a chord progression, e.g. by choosing suitable chord inversions (also called 'voicings').

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Root note



8.15 Historic tunings



certain musical genres that have not been composed based on equal temperament. **1.** Press the button [SCALE] to switch to Historic Tunings mode. 'SCALE' lights.

With this function, you can experiment with different historical tunings when playing

2. Keep the button [SCALE] pressed to open the selection of historic tunings.

Once the 'SCALE' display flashes, you can use the buttons [YES / +] and [NO / -] to select one of the following settings: Pythagoras, pure major, pure minor, middle tone, Werckmeister or Kirnberger.

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7th

Suspe

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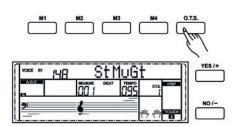
- **3.** Use piano buttons C7 ... B7 to select the root of the selected tuning.
- 4. Press again [SCALE] to exit the Historic Tunings mode.

Minor chord

Flatted 5th



8.16 One Touch Setting



One Touch Setting (O.T.S. or one-key operation) is a convenient function that allows you to immediately reconfigure all settings with just one single key press. This is about rhythm-based compilations of instrument voices. With this function, four parameter types (M1 to M4) can be loaded.

- **1.** Press the button [O.T.S.] to start this mode. Press one of the buttons [M1] to [M4,] then the device loads the corresponding parameter types that match the current Style. The ABC mode is automatically turned on at that.
- **2.** Press one of the buttons [*M1*] to [*M4*] that provides your desired settings.
- **3.** Press the button [O.T.S.] to exit O.T.S. mode.
- **4.** The default parameters stored in O.T.S. are:
 - Voice R1, R2, L on / off
 - Change voice R1, R2, L
 - Volume R1, R2, L
 - Chorus level voice R1, R2, L
 - Reverb level voice R1, R2, L

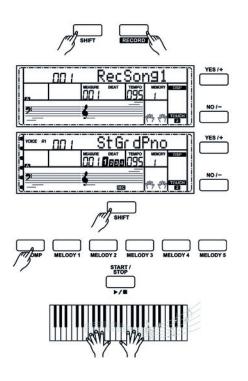
8.17 Record, playback, delete

The digital piano lets you record three user songs that can contain six tracks each (one accompaniment track and five melody tracks).



DP-95 B, DP-95 WH

8.17.1 Song recording



- **1.** Simultaneously press the buttons [SHIFT] and [RECORD] to select a song. The display shows 'RecSong1' and the current memory location.
- **2.** Use the buttons [+/YES] or [-/NO] or the jog wheel to select a free memory location for the recording.
- 3. Record stand-by

Press again the buttons [SHIFT] and [RECORD] to enable the Recording mode. 'REC' lights up in the display. At the same time a free track for recording is automatically selected and the corresponding track display ([MELODY 1] to [MELODY 5] or [ACCOMP]) flashes. The tracks are selected in order [MELODY 1] to [MELODY 5], [ACCOMP]. If no free track is available, [MELODY 1] is selected. Press one of the buttons [MELODY 1] to [MELODY 5] or [ACCOMP] to select the track you want to record to.

4. Start recording

Press the button [START / STOP] on the record enabled digital piano to start recording.



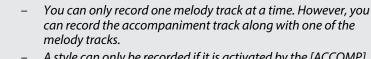
When you start recording, you may overwrite data on the selected track.

5. Selecting tracks

As you select tracks the buttons can have three different states: They flash, are lit or off.

- A flashing button indicates that the track has been selected for recording.
- A lit button indicates that this track already contains data. These data will be played during recording to another track.
- If a button is **not lit** there is no data on this track or there is data that is not going to be played during recording.

Press one of the buttons [*MELODY 1*] to [*MELODY 5*] or [*ACCOMP*] to select the desired track. The corresponding track is then enabled with the condition described above.

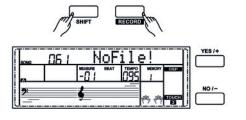


- A style can only be recorded if it is activated by the [ACCOMP] button.
- **6.** Stopping recording

Press again the buttons [SHIFT] and [RECORD] to stop recording. If you're recording an accompaniment track press the button [INTRO / ENDING] to stop recording after the ending part. When the memory is full the recording stops automatically. In this case, 'Rec_Full' appears on the display.



8.17.2 Playback recordings



- **1.** After recording, simultaneously press the buttons [SHIFT] and [RECORD]. The digital piano changes to Song mode, the last recording is automatically played as a loop.
- **2.** Press the button [SONG] to play all songs in an endless loop, or use the buttons [+/YES] and [-/NO] to select a certain song for playback.
- **3.** Press the button [*PLAY / STOP*] to stop playback.

If no recording is present and you press the [PLAY / STOP] button, 'NoFile!' briefly appears on the display.

8.17.3 Delete recording

	m	SHIFT		ECORD	ful		
VOICE RT	00 1		Del	et	e?		YES/+
•			BEAT	120°	MEMORY	DSP	
2		ţ_	66		land land	TOUCH	No/-

1. Deleting individual sections of the current recording.

Keep the buttons [SHIFT] and [RECORD] simultaneously pressed for two seconds. Simultaneously press [SHIFT] and [ACCOMP] or [MELODY 1 ... 5] to delete the accompaniment track or one of the melody tracks of the recording. The indicator of the selected track lights on the display. The confirmation prompt 'Delete?' appears on the display. Confirm with [+/YES].

2. Deleting a single recording

Use the buttons [+/YES] or [-/NO] in Song mode to select the recording you want to delete. Confirm the confirmation prompt with [+/YES]. With [-/NO] you cancel the deleting.

3. Deleting all recordings

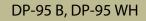
Turn off the digital piano. Simultaneously press the buttons [RECORD] and [SONG] and switch the digital piano back on again. All user recordings are going to be deleted without a prompt.

8.18 Memory

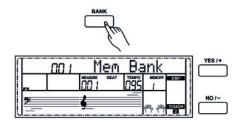
You can store 32 control panel configurations in the memory of the digital piano and recall the data any time, if required.

8.18.1 Memory banks

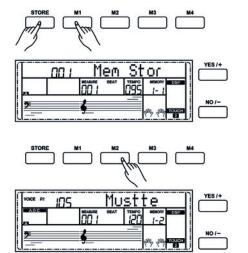
A total of eight memory banks are available, each with four memory locations (M1 to M4).



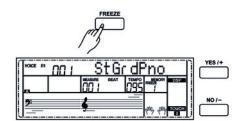




8.18.2 Load / save parameters



8.18.3 Lock function



8.19 Song album

- **1.** Press the button [BANK]. 'Mem Bank' appears on the display.
- **2.** Use the jog dial or the buttons [+/YES] or [-/NO] to select the desired memory bank.

- **1.** Keep the button [STORE] pressed and simultaneously press one of the buttons [M1] to [M4]. The current settings are then stored in the respective memory location (M1 to M4). Please note that any data previously stored there will be deleted.
- **2.** Press one of the buttons [*M1*] to [*M4*]. The saved settings are then loaded from the corresponding memory and replace the current settings thereby.

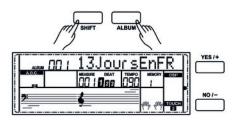
In O.T.S. mode, no settings can be loaded from the device memory.

With the locking function, you can prevent the digital piano's current settings for rhythm and tempo from being overwritten with saved settings.

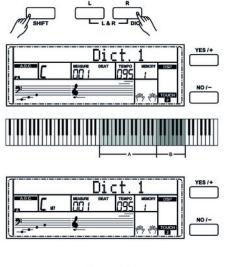
- **1.** Press the button [FREEZE] to enable the locking function. 'FREEZE' lights up on the display.
- **2.** Press the button [*FREEZE*] to disable the locking function. The '*FREEZE*' display turns off.

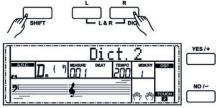
The digital piano offers a song album with a total of 120 stored songs. When you call a song from the album all relevant supporting parameters are loaded automatically.





8.20 Chord dictionary





- **1.** Simultaneously press the buttons [SHIFT] and [FUNCTION +/-] to open the song album.
- **2.** Use the buttons [+/YES] or [-/NO] to select the desired song.
- **3.** To close the song album press one of the direct select buttons [VOICE] or [STYLE].

The Chord dictionary is basically a built-in 'Chord book' assisting you to find the right tones of a chord if you e.g. know only the chord name, but not how to play it.

1. DICT 1 (chord learning mode)

Simultaneously press the buttons [SHIFT] and [DICT.] to call the 'DICT.1' mode. In this mode, the keys from C4 on are used to assign the chord type, and the keys from C6 to assign the root note. If you have pressed the keys for chord type and root note, the display shows the chord name and the individual notes in the notation system.

For example, If you want to play a Cm7 chord, press the C6 key (root note C in the Cm7 chord). You will hear no sound, but the root note is displayed.

Press the A4 key (chord type for minor-seventh chord, 'm7'). You will hear no sound, but the chord name and the notes you should play for the specified chord appear in the display.

2. DICT 2 (chord testing mode)

Simultaneously press again the buttons [SHIFT] and [DICT.] to call the 'DICT.2' mode. The display shows a randomly generated chord name, but not its individual notes in the notation system. If you play the right chord within three seconds, the next randomly generated chord name appears. If this does not happen, the individual notes of the chord in the notation system appear automatically in the display.

In the chord dictionary, the 12 root notes and 24 chord types are presented as follows:

Key names	Root note	Key names	Root note
C6	С	F [#] 6	F#/G _b
C [#] 6	C [#] /D _b	G6	G
D6	D	A _b 6	G [#] /A _b
E _b 6	D#/E _b 6	A6	А
E6	Е	B _b 6	A#/B _b
F6	F	Вб	В

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Key names	Chord type	Key names	Chord type
C4	М	C5	7 _b 9
C#4	M(9)	C#5	7(9)
D4	6	D5	7([#] 9)
E _b 4	mM7	E _b 5	7 _b 13
E4	M7	E5	7(13)
F4	m	F5	7(#11)
F#4	m(9)	F#5	dim7
G4	mб	G5	dim
A _b 4	m7(9)	A _b 5	7aug
A4	m7	A5	aug
B _b 4	m7 _b 5	B _b 5	7sus4
B4	7	B5	sus4

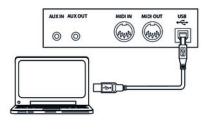
8.21 MIDI functions

AUX IN AUX OUT	MIDI IN MIDI OUT U	SB
00	(4000) (4000)	Ĵ

MIDI stands for 'Musical Instrument Digital Interface' and represents the standard interface between a computer and electronic instruments.

You can exchange MIDI data with other MIDI devices via the MIDI and USB interfaces of the digital piano.

8.22 USB connection





Start your computer and then connect the USB port on the rear panel of the digital piano to the USB port on your computer using a standard USB cable (not included). Then turn the digital piano on.

After the two devices have been connected without errors, the piano display shows '*PCLink*'.

Now you can copy up to three MIDI files as user songs to the digital piano, as well as back up all your styles and recordings to the storage of the PC.

Any other application may requiere additional software as for recording or editing sound files (not included).



9 Troubleshooting

Problem	Possible causes and solutions
You hear a 'pop' sound from the speakers when switching the digital piano on and off.	This is normal. No need to worry.
No sound can be heard when playing the piano.	Make sure that the volume control is set appropriately. Check if headphones are plugged into the headphone output 2. Connecting headphones will mute the speakers of the dig- ital piano.
Malfunction occurs when using a mobile phone.	Using a mobile phone near the digital piano can cause inter- ference. To prevent this, turn off the mobile phone or use it only at a safe distance.



10 Voice list

No.	Name	LCD	No.	Name	LCD
Piane))		030	Velocity Crossfade Electric Piano	VeCrosEP
001	Stereo Grand Piano	StGrdPno	031	Layered Electric Piano 1	LayerEp1
002	Acoustic Grand Piano (wide) 1	GrandPnW	032	Layered Electric Piano 2	LayerEp2
003	Acoustic Grand Piano (dark)	GrandPnD	033	Nylon Electric Piano	NylonEP
004	Octave Piano 1	OctPno1	034	Warm Electric Piano	WarmEp
005	Octave Piano 2	OctPno2	035	Grand Harpsichord	GraHarps
006	Piano & Strings	Pno&Str	036	Harpsichord 1	Harpsi
007	Piano & Choir	Pno&Cho	037	Harpsichord 2	Harpsi2
800	Acoustic Grand Piano	GrandPno	038	Harpsichord (wide)	HarpsiW
009	Stereo Bright Piano	StBrtPno	039	Harpsichord (octave mix) 1	HarpsiO
010	Bright Acoustic Piano	BritePno	040	Harpsichord Release	HarpsiR
011	Bright Acoustic Piano (wide) 1	BritePnW	041	Harpsichord (with key off)	HarpsiOf
012	Chorus Piano	ChoruPno	042	Clavi 1	Clavi
013	Electric Grand Piano	E.Grand	043	Clavi 2	Clavi2
014	Electric Grand Piano (wide)	E.GrandW	044	Clavi (wide) 1	ClaviW1
015	Stereo Honk-Tonk	StHonkTo	045	Clavi (wide) 2	ClaviW2
016	Honky-tonk Piano	HnkyTonk	046	Clavi Wah	ClaviWa
017	Honky-tonk Piano (wide) 1	HnyTonkW	047	Pulse Clavi	PluseClv
018	Stereo Hard Electric Piano	StHarEp	Chro	matic Percussion	
019	Detuned Electric Piano 1	DetunEP1	048	Celesta 1	Celesta
020	Detuned Electric Piano 2	DetunEP2	049	Celesta 2	Celesta2
021	Electric Piano 1	E.Piano1	050	Birght Celeasta	BirCelea
022	Electric Piano 2	E.Piano2	051	Celesta & Sine	Celes&Si
023	Electric Piano (wide) 1	EPnoW1	052	Reecho Bell	RechBell
024	Electric Piano (wide) 2	EPnoW2	053	Celesta & Music Box	Celes&MB
025	EP legend	EPLegend	054	Glockenspiel 1	Glocken
026	EP Phase	EPPhase	055	Glockenspiel 2	Glocken2
027	60's Electric Piano	60'sEP	056	Music Box 1	MusicBox
028	Electric Piano 1 (velocity mix)	E.PnoV1	057	Music Box 2	MusicBo2
029	Electric Piano 2 (velocity mix)	E.PnoV2	058	Music Box 3	MusicBo3

No.	Name	LCD	No.	Name	LCD
059	Тоу Вох	ТоуВох	088	Percussive Organ 1	PercOrgn
060	Music Box & Harp	Mbx&Harp	089	Percussive Organ 2	PercOrg2
061	Stereo Vibrapho	StVibes	090	Light Click Organ	LClickOr
062	Rigid Vibraphone	RigiVibe	091	Detuned Percussive Organ	DePerOrg
063	Vibraphone 1	Vibra	092	Stereo Rotary Organ	StRotaOr
064	Vibraphone 2	Vibra2	093	Rock Organ	RockOrgn
065	Vibraphone (wide) 1	VibraW	094	Rotary Organ	RotaOrgn
066	Vibraphone (wide) 2	VibraW2	095	Slow Rotary Organ	SloRotOr
067	Vibraphone & Bell	Bell&Vib	096	Detuned Church Organ	DeChuOrg
068	Marimba 1	Marimba	097	Church Organ 1	ChurOrgn
069	Marimba 2	Marimba2	098	Church Organ 2	ChurOrg2
070	Marimba (wide)	MarimbaW	099	Church Organ (octave mix)	ChurOrgO
071	Stereo Marimba	StMarim	100	Reed Organ	ReedOrgn
072	Marimba & Vibraphone	Mar&Vib	101	Puff Organ	PuffOrgn
073	Xylophone 1	Xylophon	102	Accordion 1	Acordion
074	Xylophone 2	Xylopho2	103	Accordion 2	Acordin2
075	Tubular Bells	TubulBel	104	Accordion 3	Acordin3
076	Church Bell	ChurBell	105	Mustte	Mustte
077	Carillon	Carillon	106	Accord It Solo	AccordSo
078	Dulcimer	Dulcimer	107	Sweet Harmonica	SwetHarm
079	Santur	Santur	108	Harmonica 1	Harmnica
Orga	n		109	Harmonica 2	Harmnic2
080	Drawbar Organ 1	DrawOrgn	110	Tango Accordion	TangoAcd
081	Drawbar Organ 2	DrawOrg2	111	Acoustic Guitar (nylon) 1	NylonGtr
082	Soft Stereo Drawbar Organ	SfDrawOr	112	Acoustic Guitar (nylon) 2	NylonGt2
083	Mellow Drawbar Organ	MellDrOr	113	Acoustic Guitar (nylon + key off)	NylGtrOf
084	Detuned Drawbar Organ 1	DeDraOrg	114	Ukulele	Ukulele
085	Detuned Drawbar Organ 2	DeDraOr2	115	Velocity Nylon Guitar	NylnGtVe
086	Italian 60's Organ	60'sOrgn	116	Chorus Nylon Guitar	ChoNyGt
087	1970 Percussive Organ	1970PcOr	117	Bright Nylon Guitar	BrNyGt

No.	Name	LCD	No.	Name	LCD
118	Acoustic Guitar (steel) 1	SteelGtr	148	Stereo Muted Guitar	StMuGt
119	Acoustic Guitar (steel) 2	SteelGt2	149	Guitar Pinch	GtPinch
120	Steel Guitar with Body Sound	SteelBdy	150	Overdriven Guitar	Ovrdrive
121	Tremolo Steel Guitar	TremGt	151	Distortion Guitar 1	DistGtr
122	Mandolin	Mandolin	152	Distortion Guitar 2	DistGt2
123	12-Strings Guitar	12StrGtr	153	Distortion Guitar (with feedback) 1	FeedbkGt
124	Chorus Steel Guitar	ChoSteGt	154	Distorted Rhythm Guitar	DistRyth
125	Nylon & Steel Guitar	Ny&SteGt	155	5th Distortion	5thDist
126	Stereo Steel Guitar	StSteGt	156	Stereo Distorted Guitar	StDistor
127	Steel Guitar Bend	GtBend	157	Guitar Feedback	GtrFedbk
128	Steel Guitar Harmonics	GtHarm	158	Guitar Harmonics	GtrHarmo
129	Velocity Steel Guita 1	VelSte1	Bass		
130	Velocity Steel Guita 2	VelSte2	159	Acoustic Bass 1	AcoBass
131	Velocity Steel Guita 3	VelSte3	160	Acoustic Bass 2	AcoBass2
132	Electric Guitar (jazz) 1	JazzGtr	161	Jazz Style	JazzSty
133	Electric Guitar (jazz) 2	JazzGt2	162	A.Bass & Mute G.T.	Bs&GtMu
134	Electric Guitar (pedal steel)	PedalGtr	163	Resonant Bass	ResBass
135	Mellow Guitar	MelloGt	164	Wah Bass 1	WahBass1
136	Velocity Jazz Guitar	JazzGtVe	165	Electric Bass (finger) 1	FngrBass
137	Jazz Guitar Detuned	JazzGtDt	166	Electric Bass (finger) 2	FngrBas2
138	Mid Tone Guitar	MidTonGt	167	Electric Bass (finger) 3	FngrBas3
139	Electric Guitar (clean) 1	CleanGtr	168	Finger Slap Bass	FngrSlap
140	Electric Guitar (clean) 2	CleanGt2	169	Wah Finger Bass	WahFnBs
141	Stereo Clean Guitar	StCleGtr	170	Electric Bass (pick) 1	PickBass
142	Velocity Clean Guitar	CleGtVel	171	Electric Bass (pick) 2	PickBas2
143	Electric Guitar (detuned clean)	DetClnGt	172	Mute Pick Bass	MuPkBass
144	Electric Guitar (muted velo-sw)	MutVelGt	173	Fretless Bass 1	Fretless
145	Electric Guitar (muted)	MutedGtr	174	Fretless Bass 2	Fretlss2
146	Electric Guitar (funky cutting)	FunkGt	175	Slap Bass 1	SlapBas1
147	Jazz Man	JazzMan	176	Slap Bass 2	SlapBas2

No.	Name	LCD	No.	Name	LCD
177	Slap Bass 3	SlapBas3	206	Pizzicato Strings 1	PizzStr
178	Slap Bass 4	SlapBas4	207	Pizzicato Strings 2	PizzStr2
179	Synth Bass 1	SynBass1	208	Octave Pizzicato	OctoPizz
180	Synth Bass 2	SynBass2	209	Orchestral Harp 1	Harp
181	Synth Bass 3 (resonance)	ResoBass	210	Orchestral Harp 2	Harp2
182	Synth Bass 4 (attack)	AtackBas	211	Yang Chin	YangChin
183	Synth Bass (warm)	WarmBass	212	Timpani 1	Timpani
184	Clavi Bass	ClavBass	213	Timpani 2	Timpani2
185	Hammer	Hammer	Ense	mble	
186	Synth Bass (rubber)	RubbBass	214	The Strings	TheStr
187	Attack Pulse	AtackPls	215	String Ensembles 1	Strings1
Strin	gs & Orchestral Instruments		216	String Ensembles 2	Strings2
188	The Violin	TheVin	217	Synth Strings 1	SynStrs1
189	Violin 1	Violin	218	Synth Strings 2	SynStrs2
190	Violin 2	Violin2	219	Synth Strings 3 Synth Strings	SynStrs3
191	Violin (slow attack)	SIViolin	220	Synth Strings 4	SynStrs4
192	Soft Violin	SoftVin	221	Synth Strings 5	SynStrs5
193	Viola 1	Viola	222	Resonant Strings	ResonSt
194	Viola 2	Viola2	223	Stereo Slow Strings	SSlowStr
195	Viola 3	Viola3	224	Slow Strings	SlowStr
196	Cello 1	Cello	225	Strings and Brass	Str&Bras
197	Cello 2	Cello2	226	Legato Strings	LegatStr
198	Celloen 16'	Celloen	227	Orchestra	Orchstr
199	Chamber Music	Chamber	228	Arco Strings	ArcoStr
200	Contrabass 1	Contrabs	229	60's Strings	60'sStr
201	Contrabass 2	Contrbs2	230	1970 Strings	70'Str
202	Tremolo Strings 1	TremStr	231	Solo Strings	SoloStr
203	Tremolo Strings 2	TremStr2	232	Choir Aahs 1	ChoirAah
204	Slow Tremolo Strings 1	SlwTrSt1	233	Choir Aahs 2	ChoirAh2
205	Slow Tremolo Strings 2	SlwTrSt2	234	Choir Aahs 3	ChoirAh3



No.	Name	LCD	No.	Name	LCD
235	Stereo Choir Aahs	StChoir	264	Stereo French Horn	StFrHorn
236	Strings & Choir	StrChoir	265	Horn Orchestra	5thHornO
237	Humming	Humming	266	Brass Section 1	Brass
238	Voice Oohs	VoiceOoh	267	Brass Section 2 (octave mix)	Brass2
239	Analog Voice	AnaVoice	268	Brass Section 3	Brass3
240	Synth Voice	SynVoice	269	Brass Section 4	Brass4
241	Bass Hit Plus	BassHit	270	Brass Section 5	Brass5
242	Orchestra Hit 1	OrchHit	271	Brass Swell	BrasSwel
243	Orchestra Hit 2	OrchHi2	272	Brass Band	BrasBand
244	Euro Hit	EuroHit	273	Bright Brass Section	BrBraSec
245	6th Hit	6thHit	274	Mute Brass Ensemble	MuteEns
Brass			275	Sforzato Brass	SfrzBras
246	Trumpet 1	Trumpet	276	Brass & Strings	Bras&Str
247	Trumpet 2	Trumpet2	277	Synth Brass 1	SynBras1
248	Trumpet 3	Trumpet3	278	Synth Brass 2	SynBras2
249	Dark Trumpet Soft	DarkTrp	279	Synth Brass 3	SynBras3
250	Sweet Trumpet	SweetTp	280	Synth Brass 4	SynBras4
251	Wah Trumpet	WahTp	281	Analog Synth Brass 1	AnaBras1
252	Trombone 1	Trombone	282	Analog Synth Brass 2	AnaBras2
253	Trombone 2	Trmbone2	283	Jump Brass	JumpBras
254	Bright Trombone	BritBone	284	Octave Synth Brass	SynBraOc
255	Strings & Trombone	Str&Trb	285	Synth Brass & Strings 1	SyBr&St1
256	Tuba 1	Tuba	286	Synth Brass & Strings 2	SyBr&St2
257	Tuba 2	Tuba2	287	Echo Brass	EchoBr
258	Soft Tuba	SoftTuba	Reed		
259	Muted Trumpet 1	MuteTrp1	288	Soprano Sax 1	SprnoSax
260	Muted Trumpet 2	MuteTrp2	289	Soprano Sax 2	SprnSax2
261	French Horn 1	FrHorn	290	Soprano Sax Soft	SopSaxSf
262	French Horn 2 (warm)	FrHorn2	291	Slow Soprano Sax	SISopSax
263	French Horn 3	FrHorn3	292	Sweet Soprano Sax	SweSpSax



297Tenor Sax 2TenoSax2I325Lead 2a (sawtooth 2)SawLead 2298Baritone SaxBariSax326Lead 2d (sequenced analog)Squ Anad 2299Sweet OboeSwetOboe327Lead 2 (sawtooth)SawLead 1300Oboe 1Oboe327Lead 2b (saw + pulse)SawPisch301Oboe 2Oboe 2329Lead 2c (double sawtooth)DubSawLead 1302English Horn 1EngHorn330Lead 3 (calliope)CaliopLd303English Horn 2EngHorn331Lead 4 (chiff)Chiffl d304WoodwindsWoodwind332Lead 5 (charang)Charand 1305Bassoon 1Bassoon333Lead 6 (voice)VoiceL d306Bassoon 2Basson2334Lead 6 (voice)VoiceL d307Clarinet 1Clarinet335Lead 8 (bass + lead)BassLead 1308Clarinet 2Clarine2336Lead 8 (bass + lead)BassLead 1309PiccoloPiccoloPiccolo338Pad 1 (new age)New AgeP310FluteSweeFlutSweeFlut339Slow SquareSlowSquare311Sweet FluteSweeFlut339Slow SquareSlowSquare312RecorderRecorderRecorder340New Year PadNew Year Pad	No.	Name	LCD	No.	Name	LCD
298Super Alto SaxSupr AltoSupr Alto<	293	Alto Sax	AltoSax	321	Square	Square
296Tenor Sax 1TenorSax2324Lead 1a (square 2)SquarLd2297Tenor Sax 2TenoSax2325Lead 2a (sawtooth 2)SawLead 2298Baritone SaxBariSax326Lead 2d (sequenced analog)SquarLd2299Sweet OboeSwetOboe327Lead 2 (sawtooth 2)SawLead 2300Oboe 1Oboe328Lead 2 (sawtooth)SawLead 1301Oboe 2Oboe 2329Lead 2 (double sawtooth)DubSawL302English Horn 1EngHorn330Lead 3 (calliope)CalloLd303English Horn 2EngHorn2331Lead 4 (chiff)ChiffLd304WoodwindsWoodwind332Lead 5 (awire lead)WireLead305Bassoon 1Bassoon333Lead 6 (voice)VoiceLd306Bassoon 2Basson2BassLead 8 (bass + lead)BassLead307Clarinet 1Clarinet335Lead 8 (bass + lead)BassLead310FluteFlute339Slow SquareSlow Square311Sweet FluteSweeFlut339Slow SquareSlow Square312RecorderRecorder340New Year PadNewYrpd313Sweet Pan FluteSwePanFu341Pad 2 (warm)WarmPad314Pan FluteSwePanFu342PWM PadNewYrpd315Blown BottleBottle343Pad 2 (sine pad)SinePad316Shakuhachi <td>294</td> <td>Soft Alto Sax</td> <td>SoftAlto</td> <td>322</td> <td>Lead 1b (sine)</td> <td>SineLead</td>	294	Soft Alto Sax	SoftAlto	322	Lead 1b (sine)	SineLead
297Tenor Sax 2TenoSax23 25Lead 2a (sawtooth 2)SawLead 2298Baritone SaxBariSax3 26Lead 2d (sequenced analog)SquAnala299Sweet OboeSwetOboe3 27Lead 2 (sawtooth 2)SawLead 1300Oboe 1Oboe3 28Lead 2 (sawtooth)SawLead 1301Oboe 2Oboe 23 29Lead 2 (double sawtooth)DubSawL302English Horn 1EngHorn3 30Lead 3 (calliope)CaliopLd303English Horn 2EngHorn3 31Lead 4 (chiff)ChiffLd304WoodwindsWoodwind3 32Lead 5 (charang)Charand305Basson 1Basson3 33Lead 6 (voice)VoiceLd306Basson 2Basson 2Basson 23 34Lead 8 (bass + lead)BassLead307Clarinet 1Clarinet3 33Lead 8 (soft wrl)SftWrlLd309PiccoloPiccoloSynttrad3 38Pad 1 (new age)SftWrlLd310FluteSweeFlut3 39Slow SquareSlow SquareSlow Square311Sweet FluteSweeFlut3 39Slow SquareSlow SquareSlow Square312RecorderRecorder3 40New Year PadNew Yrd313Sweet FluteSweeFlut3 39Slow SquareSlow Square314Pan FluteSweeFlut3 39Slow SquareSlow Square315Biown BorttleSweaf Flute3 40 <td>295</td> <td>Super Alto Sax</td> <td>SuprAlto</td> <td>323</td> <td>Square Lead 1</td> <td>SquarLd1</td>	295	Super Alto Sax	SuprAlto	323	Square Lead 1	SquarLd1
298Baritone SaxBariSaxI326Lead 2d (sequenced analog)Squ Analog299Sweet OboeSwetOboe327Lead 2 (sawtooth)SawLead 1300Oboe 1Oboe328Lead 2b (saw + pulse)SawPlsLd301Oboe 2Oboe 2329Lead 2c (double sawtooth)DubSawL302English Horn 1EngHorn1330Lead 3 (calliope)Callop d303English Horn 2EngHorn21331Lead 4 (chiff)Chiff d304WoodwindsWoodwind332Lead 5 (wire lead)WireLead305Basson 1Basson 2Basson 2334Lead 6 (voice)VoiceLd306Glarinet 1Clarinet1335Lead 7 (fifths)BassLead307Clarinet 2Clarine 2Clarine 2334Lead 8 (soft wrl)StfWrlLd309PiccoloPiccoloPiccoloSweeFlut337Lead 8 (soft wrl)StfWrlLd309PiccoloPiccoloPiccoloSweeFlut338Pad 1 (new age)NewAgeP311Sweet FluteSweeFlut339Slow SquareSlowSquareSlowSquare313Sweet FluteSweeFlut344Pad 2 (warm)WarmPad314Pan FlutePan Flute344PicuranitNewYrPd315Blown BottleBottle343Pad 2 (warm)NewYrPd316ShakuhachiShakhchiShakhchiShakhchiShakhchiShakhch	296	Tenor Sax 1	TenorSax	324	Lead 1a (square 2)	SquarLd2
299Sweet OboeSwetOboe327Lead 2 (sawtooth)SawLead 1300Oboe 1Oboe328Lead 2 b (saw + pulse)SawPlsLd301Oboe 2Oboe 2329Lead 2 c (double sawtooth)DubSawL302English Horn 1EngHorn330Lead 3 (calliope)CaliopLd303English Horn 2EngHorn2331Lead 4 (chiff)ChiffLd304WoodwindsWoodwind332Lead 5 (charang)CharanLd305Basson 1Basson1Basson2334Lead 6 (voice)VoiceLd306Basson 2Basson2334Lead 6 (voice)VoiceLd335Lead 8 (bass + lead)BassLad308Clarinet 1Clarinet335Lead 8 (soft wrl)StftWrlLd337Lead 8 (soft wrl)StftWrlLd309PiccoloPiccoloPiccoloSweeFlut338Pad 1 (new age)NewAgeP311Sweet FluteSweeFlut339Slow SquareSlow SquareSlow Square313Sweet Pan FluteSwPanFu341Pad 2 (warm)WarmPad314Pan FlutePan Flute342PWM PadPWMPad315Blown BottleBottle343Pad 2 (sine pad)SinePad	297	Tenor Sax 2	TenoSax2	325	Lead 2a (sawtooth 2)	SawLead2
300Oboe 1Oboe328Lead 2b (saw + pulse)SawPist SawPist SawPist DubSawL301Oboe 2Oboe 2329Lead 2c (double sawtooth)DubSawL302English Horn 1EngHorn330Lead 3 (calliope)CaliopL303English Horn 2EngHorn2331Lead 4 (chiff)ChiffL304WoodwindsWoodwind332Lead 5 (charang)CharanL305Bassoon 1Bassoon333Lead 5 (wire lead)WireLead306Bassoon 2Bassoon 2334Lead 6 (voice)VoiceL307Clarinet 1Clarinet335Lead 8 (bass + lead)BassLad309PiccoloPiccoloPiccoloSynth HadStiftVrlL309PiccoloPiccoloPiccoloSynth HadSinov Square311Sweet FluteSweeFlut339Slow SquareSlowSquare313Sweet Pan FluteSwPanFu340New Year PadNewYred314Pan FluteSwPanFu341Pad 2 (warm)WarmPad315Blown BottleBottle342Pu/M PadPu/M Pad316ShakuhachiShakhchiShakhchiShaAd 2 (sine pad)Sine Pad	298	Baritone Sax	BariSax	326	Lead 2d (sequenced analog)	SquAnaLd
301Oboe 2Oboe2329Lead 2 (double sawtooth)DubSawLi302English Horn 1EngHorn330Lead 3 (calliope)Caliop Ld303English Horn 2EngHorn2331Lead 4 (chiff)ChiffLd304WoodwindsWoodwind332Lead 5 (charang)CharanLd305Bassoon 1Bassoon333Lead 5 (wire lead)Wire Lead306Bassoon 2Basson2334Lead 6 (voice)Voice Ld307Clarinet 1Clarinet335Lead 7 (fifths)Fifths Ld308Clarinet 2Clarine2I336Lead 8 (bass + lead)Basslad309PiccoloPiccoloPiccoloSymt HadStift Had311Sweet FluteSweeFlut339Slow SquareSlow Square313Sweet Pan FluteSwPanFu341Pad 2 (warm)WarmPad314Pan FluteSamFu341Pad 2 (warm)WarmPad315Blown BottleBottle343Pad 2 (sine pad)Sine Pad316ShakuhachiShakhchiShakhchi344Horn PadHornPad	299	Sweet Oboe	SwetOboe	327	Lead 2 (sawtooth)	SawLead1
302English Horn 1EngHorn330Lead 3 (calliope)Caliop L303English Horn 2EngHorn 2331Lead 4 (chiff)ChiffL d304WoodwindsWoodwind322Lead 5 (charang)Charan L305Basson 1Basson 2Basson 2333Lead 6 (voice)WireLead306Basson 2Basson 2Clarinet335Lead 6 (voice)VoiceL d307Clarinet 1Clarine 2I336Lead 8 (bass + lead)BassLead308Clarinet 2Clarine 2I337Lead 8 (soft wrl)SftWrl d309PiccoloPiccoloPiccoloSymet FluteSineAge P311Sweet FluteSweeFlutI339Slow SquareSlow Square313Sweet Pan FluteSwPan FluteI341Pad 2 (warm)WarmPad313Blown BottleBottleI342PUM PadPUMPad314ShakuhachiShakuhachiShakuhachiI344Horn PadHorn Pad	300	Oboe 1	Oboe	328	Lead 2b (saw + pulse)	SawPlsLd
303English Horn 2EngHorn2i331Lead 4 (chiff)ChiffLd304WoodwindsWoodwind32Lead 5 (charang)Charan Ld305Bassoon 1Bassoon333Lead 5 (wire lead)Wire Lead306Bassoon 2Basson2I334Lead 6 (voice)VoiceLd307Clarinet 1ClarinetI335Lead 7 (fifths)Fifths.d308Clarinet 2Clarine2I336Lead 8 (bass + lead)BassleadPipeImage: State 1 (State 1)PiccoloPiccoloState 1State 1309PiccoloPiccoloPiccoloImage: State 1)State 1311Sweet FluteSweeFlutImage: State 1)State 2State 1)312RecorderRecorderImage: State 1)State 2Stow 2)313Sweet Pan FluteSweaFlutImage: State 1)State 2)314Pan FlutePan FlutePan FluteImage: State 2)State 2)315Blown BottleBottleImage: State 2)State 2)State 2)316ShakhchiState 2)State 2)State 2)State 2)317State 2)State 2)State 2)State 2)State 2)318State 2)State 2)State 2)State 2)State 2)319State 2)State 2)State 2)State 2)State 2)313State 2)State 2)State 2)State 2)State 2)314 <td>301</td> <td>Oboe 2</td> <td>Oboe2</td> <td>329</td> <td>Lead 2c (double sawtooth)</td> <td>DubSawLd</td>	301	Oboe 2	Oboe2	329	Lead 2c (double sawtooth)	DubSawLd
304WoodwindsWoodwind332Lead 5 (charang)CharanLd305Bassoon 1Bassoon333Lead 5 (wire lead)Wire Lead306Bassoon 2Basson2334Lead 6 (voice)VoiceLd307Clarinet 1Clarinet335Lead 7 (fifths)FifthsLd308Clarinet 2Clarine2336Lead 8 (bass + lead)BassLeadPipeClarine2337Lead 8 (soft wrl)SftWrld309PiccoloPiccoloSynth PadNewAgeP311Sweet FluteSweeFlut339Slow SquareSlowSquare312RecorderRecorder340New Year PadNewYrPd313Sweet Pan FluteSwPanFu341Pad 2 (warm)WarmPad314Pan FlutePan FluteSottle342PWM PadSinePad315Blown BottleBottle343Pad 2a (sine pad)SinePad315ShakuhachiShakhchiStakhchiStatPad 2 (warm)HornPad	302	English Horn 1	EngHorn	330	Lead 3 (calliope)	CaliopLd
305Bassoon 1Bassoon333Lead 5a (wire lead)WireLead306Bassoon 2Basson 2Basson 2334Lead 6 (voice)VoiceL d307Clarinet 1ClarinetI335Lead 7 (fifths)FifthsL d308Clarinet 2Clarine 2I336Lead 8 (bass + lead)BassLeadPipeClarine 2Clarine 2I337Lead 8 (soft wrl)SftWrlL d309PiccoloPiccoloPiccoloSynt > Pad310FluteFluteI338Pad 1 (new age)NewAgeP311Sweet FluteSweeFlutI339Slow SquareSlow Square313Sweet Pan FluteSwPan FuI341Pad 2 (warm)WarmPad314Pan FluteBottleI343Pad 2a (sine pad)SinePad316ShakuhachiShakhchiI344Horn PadHornPad	303	English Horn 2	EngHorn2	331	Lead 4 (chiff)	ChiffLd
306Basson 2Basson 2334Lead 6 (voice)VoiceLd307Clarinet 1ClarinetI335Lead 7 (fifths)FifthsLd308Clarinet 2Clarine 2I336Lead 8 (bass + lead)BassLead309PiccoloPiccoloSynt - PadSftWrlLd310FluteFluteI338Pad 1 (new age)New Age P311Sweet FluteSweeFlutI339Slow SquareSlow Square313Sweet Pan FluteSwPan FuI341Pad 2 (warm)Warm Pad314Pan FluteBottleI343Pad 2a (sine pad)Sine Pad315Blown BottleBottleI344Horn PadHorn Pad	304	Woodwinds	Woodwind	332	Lead 5 (charang)	CharanLd
307Clarinet 1Clarinet335Lead 7 (fifths)FifthsLd308Clarinet 2Clarine2336Lead 8 (bass + lead)BassLead909PiccoloPiccoloSitter 4Sitter 4Sitter 4310FluteFluteSitter 4Sitter 4NewAgeP311Sweet FluteSweeFlutSitter 4Sitter 4Sitter 4312RecorderRecorderSitter 4Sitter 4NewYear Pad313Sweet Pan FluteSwPanFuSitter 4NewYear PadWarmPad314Pan FluteBottleSitter 4Sitter 4Sitter 4315Blown BottleBottleSitter 4Sitter 4Sitter 4316ShakuhachiSitter 4Sitter 4Sitter 4Sitter 4317Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4318Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4319Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4311Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4313Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4314Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4315Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4316Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4316Sitter 4Sitter 4Sitter 4Sitter 4Sitter 4 <tr< td=""><td>305</td><td>Bassoon 1</td><td>Bassoon</td><td>333</td><td>Lead 5a (wire lead)</td><td>WireLead</td></tr<>	305	Bassoon 1	Bassoon	333	Lead 5a (wire lead)	WireLead
308Clarinet 2Clarine2336Lead 8 (bass + lead)BassLeadPipe337Lead 8 (soft wrl)SftWrlLd309PiccoloPiccoloPiccoloSynt310FluteFluteSweeFlut338Pad 1 (new age)New Age P311Sweet FluteSweeFlutSweeFlut339Slow SquareSlow Square312RecorderRecorderI340New Year PadNew YrPd313Sweet Pan FluteSwPan FluteI341Pad 2 (warm)Warm Pad314Pan FluteBottleI342PWM PadPWM Pad315Blown BottleBottleI344Horn PadHorn Pad	306	Bassoon 2	Basson2	334	Lead 6 (voice)	VoiceLd
Pipe337Lead 8a (soft wrl)SftWrlLd309PiccoloPiccoloSyntSynt310FluteFlute338Pad 1 (new age)New AgeP311Sweet FluteSweeFlut339Slow SquareSlow Square312RecorderRecorder1340New Year PadNew YrPd313Sweet Pan FluteSwPan Fu341Pad 2 (warm)Warm Pad314Pan FlutePan Flute342PWM PadPWM Pad315Blown BottleBottle1343Pad 2a (sine pad)Sine Pad316ShakuhachiShakhchi1344Horn PadHorn Pad	307	Clarinet 1	Clarinet	335	Lead 7 (fifths)	FifthsLd
309PiccoloPiccoloSynth Pad310FluteFluteS38Pad 1 (new age)New Age Pad311Sweet FluteSweeFlutSweeFlutS39Slow SquareSlow Square312RecorderRecorderSwPanFuS40New Year PadNew YrPd313Sweet Pan FluteSwPanFuSwPanFuS41Pad 2 (warm)Warm Pad314Pan FlutePan FluteSottleS42PWM PadPWM Pad315Blown BottleBottleShakhchiS44Horn PadHorn Pad	308	Clarinet 2	Clarine2	336	Lead 8 (bass + lead)	BassLead
310FluteFluteImage: Stress of the stress of	Pipe			337	Lead 8a (soft wrl)	SftWrlLd
311Sweet FluteSweeFlut339Slow SquareSlow Square312RecorderRecorder340New Year PadNew YrPd313Sweet Pan FluteSwPanFu341Pad 2 (warm)WarmPad314Pan FlutePan Flute342PWM PadPWM Pad315Blown BottleBottle343Pad 2a (sine pad)Sine Pad316ShakuhachiShakhchiImage AlterImage AlterImage Alter	309	Piccolo	Piccolo	Syntl	h Pad	
312RecorderRecorder340New Year PadNew Yrd313Sweet Pan FluteSwPan Fu341Pad 2 (warm)Warm Pad314Pan FlutePan Flute342PWM PadPWM Pad315Blown BottleBottle343Pad 2a (sine pad)Sine Pad316ShakuhachiShakhchiImage Alter344Horn Pad	310	Flute	Flute	338	Pad 1 (new age)	NewAgePd
313Sweet Pan FluteSwPanFu341Pad 2 (warm)WarmPad314Pan FlutePan Flute342PWM PadPWM Pad315Blown BottleBottle343Pad 2 (sine pad)Sine Pad316ShakuhachiShakhchiMakhchi344Horn Pad	311	Sweet Flute	SweeFlut	339	Slow Square	SlowSqu
314Pan FlutePan Flute342PWM PadPWM Pad315Blown BottleBottle343Pad 2a (sine pad)Sine Pad316ShakuhachiShakhchi344Horn PadHorn Pad	312	Recorder	Recorder	340	New Year Pad	NewYrPd
315Blown BottleBottle343Pad 2a (sine pad)SinePad316ShakuhachiShakhchi344Horn PadHornPad	313	Sweet Pan Flute	SwPanFu	341	Pad 2 (warm)	WarmPad
316 Shakuhachi Shakhchi 344 Horn Pad HornPad	314	Pan Flute	PanFlute	342	PWM Pad	PWMPad
	315	Blown Bottle	Bottle	343	Pad 2a (sine pad)	SinePad
317Whistle 1Whistle345Pad 3 (polysynth) 1PolySyPd	316	Shakuhachi	Shakhchi	344	Horn Pad	HornPad
	317	Whistle 1	Whistle	345	Pad 3 (polysynth) 1	PolySyPd
318Whistle 2Whistle 2346Click PadClickPd	318	Whistle 2	Whistle2	346	Click Pad	ClickPd
319 Ocarina Ocarina 347 Analog Pad Analop Pad	319	Ocarina	Ocarina	347	Analog Pad	AnaloPad
Synth Lead 348 Poly Pad PolyPad	Synt	n Lead		348	Poly Pad	PolyPad
320 Lead 1 (square) SquareLd 349 Pad 4 (choir) ChoirPad	320	Lead 1 (square)	SquareLd	349	Pad 4 (choir)	ChoirPad

No.	Name	LCD	No.	Name	LCD
350	Pad 4a (itopia)	ItopiaPd	378	Shamisen	Shamisen
351	Pad 5 (bowed) 1	BowedPad	379	Koto	Koto
352	Pad 6 (metallic) 1	MetalPad	380	Taisho Koto	TaishoKt
353	Pan Pad	PanPad	381	Kalimba	Kalimba
354	Pad 7 (halo) 1	HaloPad	382	Bag Pipe	Bagpipe
355	Pad 7 (halo) 2	HaloPad2	383	Fiddle	Fiddle
356	Pad 8 (sweep) 1	SweepPad	384	Shanai	Shanai
357	Pad 8 (sweep) 2	SweePad2	Perce	ussive	
358	Dipolar Pad	DipolPad	385	Tinkle Bell	TnklBell
359	Rising	Rising	386	Agogo	Agogo
360	Congregate	Congrega	387	Steel Drums	SteelDrm
Synt	h SFX		388	Woodblock	WoodBlok
361	FX 1 (rain)	FXRain	389	Castanets	Castanet
362	FX 2 (soundtrack)	Soundtrk	390	Taiko Drum	TaikoDum
363	Progenitor	Progenit	391	Concert Bass Drum	ConBasDm
364	FX 3a (synth mallet)	SynMalet	392	Melodic Tom 1	MelodTom
365	FX 3 (crystal)	Crystal	393	Melodic Tom 2 (power)	MeldTom2
366	FX 4 (atmosphere)	Atmosphr	394	Synth Drum	SynDrum
367	Warm Air	WarmAir	395	Rhythm Box Tom	RhythBox
368	FX 5 (brightness)	Bright	396	Electric Drum	ElecDrum
369	FX 6 (goblins)	Goblins	397	Reverse Cymbal	RevCymbl
370	Choir Bell	ChoirBel	SFX		
371	FX 7 (echoes) 1	Echoes	398	Guitar Fret Noise	FretNoiz
372	FX 7a (echo bell) 1	EchoBell	399	Guitar Cutting Noise	GtCtNoiz
373	FX 7b (echo pan)	EchoPan	400	Acoustic Bass String Slap	BsStSlap
374	FX 8 (sci-fi)	Sci-Fi	401	Breath Noise	BrthNoiz
Ethn	ic Misc.		402	Flute Key Click	FlKeyClk
375	Sitar 1	Sitar	403	Seashore	Seashore
376	Sitar 2 (bend)	Sitar2	404	Rain	Rain
377	Banjo	Banjo	405	Thunder	Thunder

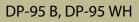
No.	Name	LCD	No.	Name	LCD
406	Wind	Wind	436	Gunshot	Gunshot
407	Stream	Stream	437	Machine Gun	MachnGun
408	Bubble	Bubble	438	Lasergun	Lasergun
409	Bird Tweet 1	Tweet	439	Explosion	Explosio
410	Dog	Dog	440	Stereo Piano & Strings Pad	StPn&Str
411	Horse Gallop	HouseGlp	441	Stereo Piano & Choir	StPn&Cho
412	Bird Tweet 2	Tweet2	442	Stereo Piano & Synth Strings	StPn&Syn
413	Sheep	Sheep	443	Stereo Piano & Warm Pad	StPn&Pad
414	Telephone Ring 1	Telphone	444	Stereo Piano & Soft Ep	StPn&Ep
415	Telephone Ring 2	Telphon2	445	FM Electric Piano	FMEp
416	Door Creaking	DoorCrek	446	Digital Piano	DigiPn
417	Door	Door	447	E.Piano & Strings	EP&Str
418	Scratch	Scratch	448	E.Piano & Ac Guitar	EP≫
419	Wind Chime	WindChim	449	E.Piano & Vibraphone	Ep&Vib
420	Helicopter	Helicptr	450	E.Piano 2 & Pad	Ep&Pad
421	Car Engine	CarEngin	451	E.Piano 2 & Strings	Ep2&Str
422	Car Stop	CarStop	452	Harpsichord & Stereo Strings	Harps&Str
423	Car Pass	CarPass	453	Music Box & Stereo Strings	Mxb&Str
424	Car Crash	CarCrash	454	Vibraphone & Stereo Strings	Vib&Str
425	Siren	Siren	455	Vibraphone Octave	VibOct
426	Train	Train	456	Vibraphone & Marimba & Kalimba	VibMK
427	Jetplane	Jetplane	457	Marimba & Kalimba	Mar&Kal
428	Starship	Starship	458	Marimba Delay	MarDel
429	Burst Noise	BurtNois	459	Xylophone Octave	XylopOct
430	Applause	Applause	460	Organ & Stereo Strings	Org&Str
431	Laughing	Laughing	461	Stereo Organ & Piano	StOr&Pno
432	Screaming	Scream	462	Rock Organ & Strings	RoOr&Str
433	Punch	Punch	463	Church Organ & Choir	ChuOr&Ch
434	Heart Beat	HeartBet	464	Church Organ & Strings	ChuOr&St
435	Footsteps	Footstep	465	Acoustic Guitar & Flute	Gt&Fl

No.	Name	LCD	No.	Name	LCD		
466	Acoustic Guitar & Clav	Gt&Cl	Arab	Arabic Instruments			
467	24 String Guitar	24Gt	486	Kanoun	Kanoun		
468	Steel Guitar & Warm Pad	StGt&Pad	487	Aoud	Aoud		
469	Stereo Strings & Horn	StStr&Hn	488	Bouzouk	Bouzouk		
470	Orchestra	Orchest	489	Nay	Nay		
471	Full Strings 1	FullStr1	490	Mizmar	Mizmar		
472	Full Strings 2	FullStr2	Drum	n Set			
473	Symphonic	Symphon	491	Standard Set	StandSet		
474	Stereo Choir & Strings	StCh&Str	492	Room Set	RoomSet		
475	Stereo Choir & Steel Guitar	Ch≫	493	Power Set	PowerSet		
476	3 Trumpet Loose	3Trump	494	Electronic Set	ElectSet		
477	Trombone & Stereo Strings	Tb&StStr	495	Analog Set	AnalgSet		
478	3 Trombones Loose	3Tromb	496	Jazz Set	JazzSet		
479	3 Muted Trumpets Loose	3MuTrumb	497	Brush Set	BrushSet		
480	Club Brass	ClubBras	498	Orchestra Set	OrcheSet		
481	Brass & Woodwinds	Br&Wood	499	SFX Set	SFXSet		
482	Woodwinds & Strings	Wind&Str	500	Arabic Set	ArabiSet		
483	Section Woods Small	WoodSma					
484	Pan Flute & Strings Pad	PanFu&St					
485	Koto & Shamisen	Koto&Sh					



Styles list 11

No.	Name	LCD	No.	Name	LCD
8 BE/	λT		029	16Beat Modern	16BModr
001	8Beat Piano	8BtPiano	030	16Beat 3	16Beat3
002	8Beat 1	8Beat1	031	Cool Beat	CoolBeat
003	8Beat Shuffle	8BtShufl	032	16Beat Ballad 2	16BtBld2
004	Guitar Pop 1	GtPop1	033	16Beat 4	16Beat4
005	8Beat Hip Hop	8BtHiHop	034	Pop Shuffle	PopShufl
006	8Beat R&B	8BeatR&B	POP		
007	8Beat Pop	8BtPop	035	Pop Rock 1	PopRock1
800	Pop Funk 1	PopFunk1	036	Pop Dance 1	PopDanc1
009	Rhythm & Beat 1	Rhy&Bt1	037	Pop Fusion	PopFusn
010	8Beat Disco 1	8BtDisc1	038	Analog Night 1	AnalgNt1
011	8Beat Rock	8BtRock	039	6/8 Рор	6/8Pop
012	8Beat 2	8Beat2	040	Brit. Pop 1	BritPop1
013	Sweet Beat	SweetBt	041	Brit. Pop 2	BritPop2
014	8Beat Dance	8BtDance	042	Pop Hit	PopHit
015	8Beat Disco 2	8BtDisc2	043	Fusion Shuffle	FusShufl
016	8Beat 3	8Beat3	044	Analog Night 2	AnalgNt2
017	60's 8Beat	60's8Bt	045	Pop Beat	PopBeat
16 BE	AT		046	Soft Beat	SoftBeat
018	16Beat 1	16Beat1	047	60's Pop	60'sPop
019	16Beat Funk 1	16BtFuk1	048	Sting Latin	StigLatn
020	16Beat Ballad 1	16BtBld1	BALL	AD	
021	16Beat R&B	16BtR&B	049	R&B Ballad 1	R&BBad1
022	Pop 16Beat 1	Pop16Bt1	050	Guitar Ballad	GtBallad
023	16Beat Funk 2	16BtFuk2	051	Ballad Rcok	BalladRk
024	16Beat Dance	16BDanc	052	Piano Pop	PianoPop
025	16Beat 2	16Beat2	053	Soft Ballad	SoftBald
026	Pop 16Beat 3	Pop16Bt3	054	Natural Ballad	NatuBld
027	Modern 16Beat	Modrn16B	055	Love Ballad	LoveBld
028	16Beat Hot	16BtHot	056	Easy Ballad	EasyBld





No.	Name	LCD	No.	Name	LCD
057	Slow Ballad	SlowBald	085	Cha Cha 2	ChaCha2
058	Folk Ballad	FolkBld	086	Beguine 1	Beguine1
059	Pop Ballad 1	PopBld1	087	Beguine 2	Beguine2
060	Pop Ballad 2	PopBld2	088	Rumba 1	Rumba1
061	EP Ballad	EPBallad	089	Samba 1	Samba1
ROC	(090	Samba 2	Samba2
062	Rock	Rock	091	Jive	Jive
063	New Wave	NewWave	092	Fox Trot	FoxTrot
064	Ska	Ska	DAN	CE	
065	Pop Rock 2	PopRock2	093	Techno 1	Techno1
066	Slow Rock	SlowRock	094	Нір Нор 1	HipHop1
067	70's Rock & Roll	70'sRock	095	Dream Dance	DrmDance
068	Folk Rock	FolkRock	096	House	House
069	Soft Rock	SoftRock	097	Pop Dance 2	PopDanc2
070	Easy Rock	EasyRock	098	Down Beat	DownBeat
071	New Shuffle	NewShufl	099	Progressive	Progress
072	Rock Hip Hop	RkHipHop	100	Rap 1	Rap1
073	Rock&Roll 1	R'N'R1	101	Disco	Disco
074	Rock & Roll 2	R'N'R2	102	Soft Disco	SoftDisc
BALL	ROOM		103	Disco Party	DscParty
075	Tango 1	Tango1	104	70's Disco	70'sDisc
076	Spain Matador	Matador	105	Club Dance	ClubDanc
077	Twist 1	Twist1	106	Euro Dance	EuroDanc
078	Big Band Fox	BandFox	107	Hip Hop 2	HipHop2
079	Tango 2	Tango2	SOUL	L & FUNK	
080	Slow Fox	SlowFox	108	Funk 1	Funk1
081	Slow Waltz 1	SlowWlz1	109	Classic Funk	ClasFunk
082	Swing Fox	SwingFox	110	Gospel Swing	GopSwing
083	Salsa 1	Salsa1	111	Gospel	Gospel
084	Cha Cha 1	ChaCha1	112	Funk 2	Funk2

114Groove FunkGrooveFk142Country 8BeatCt8Beat115Cool FunkyColFunky143Modern CountryModern116Jazz FunkJazz Funk144Country Pop 2CntyPop117GrooveGroove145Bluegrass 2Bluegrass118SoulSoul1462/4 Country Quick StepsQuick Step119Hip Hop BeatHipHopBt147Country Guick StepsQuick Step120R&BR&B148Country FolkCntyFol121Soul BeatSoulBeat149Country ShuffleCnyShu122R&B Ballad 2R&BBld2LATIN DANCESoulNoBosaNo123Latin Jazz 1LatinJz1151LatinLatin124Big BandBigBand152New RegaeDankeg125Dixieland 1Dixland1153Dance ReggaeDankeg126Broadway Big BandBiving155Lite BossaLite Bossa128Latin Jazz 2LatinJz2156Latin RockLatinRock129FusionFusion157Disco SambaDisco Sam130Acid JazzAcidJazz158MamboMambo131Cool Jazz BalladCoolJzBd159Rumba 2Rumba 2132Swing ShuffleSwingSfl160TitkitkitaTiktitka133Big Band MediumBandMid161LambadaLambada134Dixieland 2<).	Name	LCD	No.	Name	LCD
115Cool FunkyCol Funky143Modern CountryModern116Jazz FunkJazz Funk144Country Pop 2Cnty Pop117GrooveGroove145Bluegrass 2Bluegrass118Soul1462/4 Country Pop 2Z/4 Chur119Hip Hop BeatHip Hop Bt147Country Quick StepsQuick St120R&BR&B148Country FolkCnty Folk121Soul BeatSoulBeat149Country ShuffleCnty Folk122R&B Ballad 2R&BBld2LTTTE LATIN DANCESoulSeat150123Latin Jazz 1LatinJz1151LatinLatin124Big BandBigBand152New RegaeNew Regae125Dixieland 1Dixiland1153Dance RegaeDance126Broadway Big BandBiwayBand154PasodoblePasodoble127SwingSwing155Lite BossaLiteBoss128Latin Jazz 2LatinJz2156Latin ReckLatinRed129FusionFusion157Disco SambaMambo130Acid JazzAcid Jazz158MamboMambo131Cool Jazz BalladCool ZBd159Rumba 2Rumba132Swing ShuffleSwing Sf1160TiktikitaTiktikita133Big Band MediumBandMid161LambadaLambada134Dixieland 2Dixiland21	3	Electric Funk	ElecFunk	141	Bluegrass 1	Bluegrs1
116Jazz FunkJazz FunkI144Country Pop 2Crty Pop117GrooveGrooveGroove145Bluegrass 2Bluegras118SoulSoul1462/4 Country2/4 Cnur119Hip Hop BeatHip Hop Bt147Country Quick StepsQuick St120R&BR&B148Country FolkCrty Fol121Soul BeatSoulBeat149Country ShuffleCrty Fol122R&B Ballad 2R&BBld 2LATIN DANCESoulSeat150SWING & JAZZLatin Jazz 1LatinJz1151LatinLatinLatin123Latin Jazz 1LatinJz1153Dance ReggaeNew Reg124Big BandBigBand154PasodoblePasodoble125Dixeland 1Dixland1155Lite BossaLite Bossa126Broadway Big BandSwing155Lite BossaLite Bossa128Latin Jazz 2LatinJz2156Latin RockLatin Rock129FusionFusion157Disco SambaDacK and130Acid JazzAcidJazz158MamboMambo131Cool Jazz BalladCool JzBd159Rumba 2Rumba132Swing ShuffleSwingSfl160TiktikitaTiktikita133Big Band MediumBandMid161LambadaLambada134Dixieland 2Dixiland2162Pop Cha Cha 1P	4	Groove Funk	GrooveFk	142	Country 8Beat	Ct8Beat
117GrooveGroove145Bluegrass 2Bluegrass 2118SoulSoul1462/4 Country2/4 Country119Hip Hop BeatHipHopBt147Country Quick StepsQuick St120R&BR&B148Country FolkCntyFol121Soul BeatSoulBeat149Country ShuffleCnyFol122R&B Ballad 2R&BBld2LATIV & LATIN DANCECnyFolSWING & JAZZ150Bossa NovaBosaNo123Latin Jazz 1LatinJz1151LatinLatin124Big BandBigBand152New ReggaeNew Reg125Dixieland 1Dixland1153Dance ReggaeDankeg126Broadway Big BandSwing155Lite BossaLite Bossa127SwingSwing155Lite BossaLite Bossa128Latin Jazz 2LatinJz2156Latin RockLatinRock129FusionFusion157Disco SambaDosSam130Acid JazzAcidJazz158MamboMambo131Cool Jazz BalladCool/ZBd159Rumba 2Rumba133Big Band MediumBandMid161LambadaLambada134Dixieland 2Dixiand2162Pop Cha Cha 1PCha Cha135Guitar Swing 2GtSwing2163Pop Cha Cha 2PCha Cha136RagtimeRagtime164Salsa 2S	5	Cool Funky	ColFunky	143	Modern Country	ModernCt
118SoulSoul1462/4 Country2/4 Chi119Hip Hop BeatHipHopBt147Country Quick StepsQuick St120R&BR&B148Country FolkCntyFol121Soul BeatSoulBeat149Country ShuffleCntyFol122R&B Ballad 2R&BBld2LATIN & LATIN DANCESull BeatSoulBeat150Bossa NovaBosaNo123Latin Jazz 1LatinJz1151LatinLatinLatinLatin124Big BandBigBand152New ReggaeNewReg125Dixieland 1Dixland1153Dance ReggaeDanReg126Broadway Big BandBivayBand154PasodoblePasodoble127SwingSwing155Lite BossaLiteBoss128Latin Jazz 2LatinJz2156Latin RockLatinRed129FusionFusion157Disco SambaDscSam130Acid JazzAcidJazzAcidJazz158MamboMambo131Cool Jazz BalladCoolJzBd159Rumba 2Rumba2132Swing ShuffleSwingSfl160TikitkitaTikitkita133Big Band MediumBandMid161LambadaLambada134Dixeland 2Dixland2162Pop Cha Cha 1PCha Cha135Guitar Swing 2GtSwing2163Pop Cha Cha 2PCha Cha136RagtimeRagtime164 <td>6.</td> <td>Jazz Funk</td> <td>JazzFunk</td> <td>144</td> <td>Country Pop 2</td> <td>CntyPop2</td>	6.	Jazz Funk	JazzFunk	144	Country Pop 2	CntyPop2
119Hip Hop BeatHipHopBt147Country Quick StepsQuick Steps120R&BR&BR&B148Country FolkCnty Folk121Soul BeatSoul Beat149Country ShuffleCnyShu122R&B Ballad 2R&BBld2LATIN DANCESoul BeatBossa NovaBossa Nova123Latin Jazz 1LatinJz1151IstinLatinLatin124Big BandBigBand152New ReggaeNew Reg125Dixieland 1Dixland1153Dance ReggaeDankeg126Broadway Big BandSwing155Lite BossaLetBoss127SwingSwing155Lite BossaLetBoss128Latin Jazz 2LatinJz2156Latin RockLatinRed129FusionFusion157Disc SambaDscSam130Acid JazzAcidJazz158MamboMambo131Cool Jazz BalladCoolJzBd159Rumba 2Rumba133Big Band MediumBandMid161LambadaLambada134Dixieland 2Dixland2I63Pop Cha Cha 1PCha Ch135Guitar Swing 2GtSwing2163Pop Cha Cha 2Salaz136RagtimeRagtimeRagtime164Salas 2Salaz137Modern Jazz BalladMdJzBaldMMMM	7	Groove	Groove	145	Bluegrass 2	Bluegrs2
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SWING & JAZZInterpret with the second se	1	Soul Beat	SoulBeat	149	Country Shuffle	CnyShufl
123Latin Jazz 1Latin Jz11151Latin MarchLatin March124Big BandBig BandBig Band152New ReggaeNew Reggae125Dixieland 1Dixland1153Dance ReggaeDan Reg126Broadway Big BandBwayBand154PasodoblePasodoble127SwingSwing155Lite BossaLete Bossa128Latin Jazz 2Latin Jz2156Latin RockLatin Rock129FusionFusion157Disco SambaDsc Samba130Acid JazzAcid JazzAcid Jazz158MamboMambo131Cool Jazz BalladCool JzBd159Rumba 2Rumba 2133Big Band MediumBandMid161LambadaLambada134Dixieland 2Dixland2162Pop Cha Cha 1PCha Cha135Guitar Swing 2GtSwing2163Pop Cha Cha 2PCha Cha136RagtimeRagtimeI64Salsa 2Salsa 2137Modern Jazz BalladMdJzBaldWWWW	2	R&B Ballad 2	R&BBId2	LATI	N & LATIN DANCE	
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126Broadway Big BandBwayBandI154PasodoblePasodoble127SwingSwingI155Lite BossaLetBossa128Latin Jazz 2Latin Jz2I156Latin RockLatin Rock129FusionFusionI157Disco SambaDscSamba130Acid JazzAcid JazzI158MamboMambo131Cool Jazz BalladCool JzBdI159Rumba 2Rumba 2132Swing ShuffleSwingSflI160TikitikitaTikitikita133Big Band MediumBandMidI161LambadaLambada134Dixieland 2Dixland2I162Pop Cha Cha 1PCha Cha135Guitar Swing 2GtSwing2I163Pop Cha Cha 2PCha Cha136RagtimeRagtimeI164Salsa 2Salsa 2137Modern Jazz BalladMdJzBaldIIII	4	Big Band	BigBand	152	New Reggae	NewRegga
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131Cool Jazz BalladCoolJzBd159Rumba 2Rumba 2132Swing ShuffleSwingSfl160TikitikitaTikitikita133Big Band MediumBandMid161LambadaLambada134Dixieland 2Dixland2162Pop Cha Cha 1PCha Cha135Guitar Swing 2GtSwing2163Pop Cha Cha 2PCha Cha136RagtimeRagtimeRagtime164Salsa 2Salsa 2137Modern Jazz BalladMdJzBaldMMMM	9	Fusion	Fusion	157	Disco Samba	DscSamba
132Swing ShuffleSwing SflI160TikitkitaTikitkita133Big Band MediumBand MidI161LambadaLambada134Dixieland 2Dixland2I162Pop Cha Cha 1PCha Cha135Guitar Swing 2GtSwing2I163Pop Cha Cha 2PCha Cha136RagtimeRagtimeRagtimeI164Salsa 2Salsa 2137Modern Jazz BalladMdJzBaldIII	0	Acid Jazz	AcidJazz	158	Mambo	Mambo
133Big Band MediumBandMid161LambadaLambada134Dixieland 2Dixland2162Pop Cha Cha 1PCha Cha135Guitar Swing 2GtSwing2163Pop Cha Cha 2PCha Cha136RagtimeRagtimeRagtime164Salsa 2Salsa 2137Modern Jazz BalladMdJzBaldImage: Comparison of the comparison of th	1	Cool Jazz Ballad	CoolJzBd	159	Rumba 2	Rumba2
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135Guitar Swing 2GtSwing2163Pop Cha Cha 2PCha Cha136RagtimeRagtime164Salsa 2Salsa 2137Modern Jazz BalladMdJzBaldMdJzBaldMatter StateMatter State	3	Big Band Medium	BandMid	161	Lambada	Lambada
136RagtimeRagtime164Salsa 2Salsa2137Modern Jazz BalladMdJzBaldWALTZ & TRADITIONAL	4	Dixieland 2	Dixland2	162	Pop Cha Cha 1	PChaCha1
137 Modern Jazz Ballad MdJzBald WALTZ & TRADITIONAL	5	Guitar Swing 2	GtSwing2	163	Pop Cha Cha 2	PChaCha2
	6	Ragtime	Ragtime	164	Salsa 2	Salsa2
138Swing BalladSwingBal165WaltzWaltz	7	Modern Jazz Ballad	MdJzBald	WAL	TZ & TRADITIONAL	
	8	Swing Ballad	SwingBal	165	Waltz	Waltz
139Orchestra SwingOrhSwing166Old WaltzOld Waltz	9	Orchestra Swing	OrhSwing	166	Old Waltz	OldWaltz
COUNTRY 167 English Waltz EngWal	DUN	ITRY		167	English Waltz	EngWaltz
140Country Pop 1CntyPop 1168German WaltzGemWa	0	Country Pop 1	CntyPop1	168	German Waltz	GemWaltz

No.	Name	LCD	No.	Name	LCD	
169	ViennaWaltz	VinaWtz	185	Dangdut	Dangdut	
170	Slow Waltz 2	SlwWltz2	186	6/8 Flipper	6/8Flipp	
171	Jazz Waltz	JzWaltz	187	New Age	NewAge	
172	Polka	Polka	188	Tarantella	Tarantel	
173	6/8 March	6/8March	189	Scottish	Scottish	
174	German Polka	GerPolka	190	Norteno	Norteno	
175	Party Polka	PtyPolka	Arab			
176	Army March	ArmMarch	191	Zarb 6/8	Zarb 6/8	
177	March	March	192	Zarb Tempo	ZarbTemp	
178	US March	USMarch	193	Bandary	Bandary	
179	Musette	Musette	194	Zarb Daf	Zarb Daf	
180	Mazurke	Mazurke	195	Pop 4/4	Pop 4/4	
World	d		196	Saidi IR	Saidi IR	
181	Enka Ballad	EnkaBald	197	Cifte	Cifte	
182	Laendler	Laendler	198	Baladi	Baladi	
183	Hawaiian	Hawaiian	199	Masmoudi	Masmoudi	
184	Sirtake	Sirtake	200	Wehda	Wehda	



12 Practise and demo songs

No.	Name	LCD	No.	Name	LCD
FOLK	& COUNTRY		028	Mov.2 Adagio Non Troppo Piano Sonata No.9 In D	Sonata9
001	Jambalaya	Jambalay	029	Mov.1 Andante Grazioso Piano Sonata No.11 In A (Alla TurSo- nata11ca)	Sonata11
002	Ding! Dong! Merrily On High	DingDong	030	Prelude In C	Prelude
003	Battle Hymn Of The Republic	Battle	031	Chinese Dance	ChDance
004	The Old Gray Mare	GrayMare	032	Emperors Waltz	EmprWalz
005	American Patrol	USPatrol	033		MilMar1
006	Christmas Is Coming	IsComing	034	Symphony No.40	Symphony
007	Sippin`Cider Through A Straw	SCTStraw	JAZZ	& FUSION	
800	Christmas Sound	Sound	035	ShanZhaShu	ShanZhaS
GOL	DEN & POP		036	You Are My Sunshine	MySun
009	On London Bridge	LdBridge	037	June Samba	JunSamba
010	Are You Lonesome Tonight	Lonesome	038	Funk	Funk
011	Der Deitcher`s Dog	DerDDog	039	I Can	l Can
012	Joy to The World	JoyWorld	040	Sea Shore	SeaShore
013	Silent Night	SltNight	PIAN	0	
014	Ave Maria	AveMaria	041	Fur Elise	FurElise
015	Five Hundred Miles	FHMiles	042	Military March	MMarch
016	Happy New Year	НарруNY	043	Habanera	Habanera
017	lt's Beginning To Look A Lot Like Christmas	LikeXmas	044	Minuet	Minuet
018	Jeanie With The Light Brown Hair	LighHair	045	Austria Variation	AVariati
019	My Bonnie	MyBonnie	046	Old Macdonald Had A Farm	OldAFarm
020	Song Of The Pearlfisher	SongOfTP	047	Wedding March	Wedding
CLAS	CLASSICAL		048	2-Part Invention #13 In A Minor.B.W. lii	Invntion
021	Swan	Swan	049	Minuet In G	MinuetG
022	Prelude To Act 2 (Swan Lake)	SwanLak1	050	Turkish March	TurkishM
023	Valse (Swan lake)	SwanLak2	051	Hey Diddle Diddle	HeDiddle
024	The Happy Farmer	HpFarmer	052	Italian Polka	ItaPolka



Practise and demo songs

No.	Name	LCD	No.	Name	LCD
025	The Sleeping Beauty	SleepBty	053	Moseta Dance	MosetaDn
026	La Traviata	LaTravia	054	Bulie Dance	BulieDn
027	Wiegenlied	Wiegenli	055	Waltz in A Flat Op.39 No.15	Waltz in A

No.	Name	LCD	No.	Name	LCD
056	Wild Rose	WildRose	059	Angles We Have Heard On High	Angles
057	Away In A Manger	AwayInAM	060	Waltz	Waltz
058	Jack & Jill	JackJill			

Demos

No.	Name	LCD
001	Fantasie Impromptu	Fantasie
002	Funk	Funk



13 Chord list

	Chord description	Normal chord construction	Chord symbol	Display
0	Major [M]	1–3–5	С	C
1	Major sixth [6]	1–(3)–5–6	C6	C6
2	Major seventh [M7]	1–3–(5)–7	CM7	CM7
3	Major seventh with augmented eleventh [M7#11]	1-(2)-3-#4-(5)-7	CM7#11	CM7(#11)
4	Major add ninth [Madd9]	1–2–3–5	CMadd9	CM(9)
5	Major ninth [M9]	1–2–3–(5)–7	CM9	CM7(9)
6	Major sixth and ninth [6 9]	1–2–3–(5)–6	C6 9	C6(9)
7	Augmented [aug]	1–3–#5	Caug	Caug
8	Minor [m]	1-b3-5	Cm	Cm
9	Minor sixth [m6]	1-b3-5-6	Cm6	Cm6
10	Minor seventh [m7]	1–b3–(5)–b7	Cm7	Cm7
11	Minor seventh flatted fifth [m7b5]	1-b3-b5-b7	Cm7b5	Cm7(b5)
12	Minor add ninth [madd9]	1–2–b3–5	Cmadd9	Cm(9)
13	Minor ninth [m9]	1–2–b3–(5)–b7	Cm9	Cm7(9)
14	Minor eleventh [m11]	1-(2)-b3-4-5-(b7)	Cm11	Cm7(11)
15	Minor major ninth [mM7]	1-b3-(5)-7	CmM7	CmM7
16	Minor major ninth [mM9]	1–2–b3–(5)–7	CmM9	CmM7(9)
17	Diminished [dim]	1-b3-b5	Cdim	Cdim
18	Diminished seventh [dim7]	1-b3-b5-6	Cdim7	Cdim7
19	Seventh [7]	1–3–(5)–b7	C7	C7
20	Seventh suspended [7sus4]	1–4–5–b7	C7sus4	C7sus4
21	Seventh flatted fifth [7b5]	1–3–b5–b7	C7b5	C7(b5)
22	Seventh ninth [79]	1–2–3–(5)–b7	C7 9	C7(9)
23	Seventh sharp eleventh [7#11]	1–2–3–#4–(5)–b7 oder 1–(2)–3–#4–5– b7	C7#11	C7(#11)
24	Seventh thirteenth [7 13]	1-3-(5)-6-b7 oder 2-3-5-6-b7	C7 13	C7(13)
25	Seventh flatted ninth [7b9]	1-b2-3-(5)-b7	C7b9	C7(b9)
26	Seventh flatted thirteenth [7b13]	1–3–5–b6–b7	C7b13	C7(b13)
27	Seventh sharp ninth [7#9]	(1)-#2-3-(5)-b7	C7#9	C7(#9)
28	Major seventh augmented [M7aug]	1–3–#5–7	CM7aug	CM7aug



Chord list

	Chord description	Normal chord construction	Chord symbol	Display
29	Seventh augmented [7aug]	(1)-3-#5-b7	C7aug	C7aug
30	Suspended fourth [sus4]	1–4–5	Csus4	Csus4
31	Suspended second [1+2+5]	1–2–5	C1+2+5	C



14 MIDI implementation chart

Function		Sent	Received	Notes
Basic Channel	Default	1	1 – 16	
	Changed	1 – 16	1 – 16	
Mode	Default	No	Mode 3	
	Messages	No	No	
	Altered	*****	No	
Note Number		0 – 127	0 – 127	
	True voice	****	0 – 127	
Velocity Note	Note ON	Yes, 9nH,	Yes, 9nH,	
		v = 1 – 127	v = 1 – 127	
	Note OFF	No, 9nH,	Yes, 9nH,	
		v = 0	v = 0 or 8nH, v = 0 – 127	
After Touch	Keys	No	No	
	Channels	No	No	
Pitch Bend		No	Yes	
Control Change	0	Yes	Yes	Bank Select
	1	No	Yes	Modulation
	5	No	Yes	Portamento Time
	6	Yes	Yes	Data Entry
	7	Yes	Yes	Volume
	10	No	Yes	Pan
	11	No	Yes	Expression
	64	Yes	Yes	Sustain Pedal
	65	No	Yes	Portamento ON/OFF
	66	Yes	Yes	Sostenuto Pedal
	67	Yes	Yes	Soft Pedal
	80	No	Yes	Reverb Program
	81	No	Yes	Chorus Program
	91	Yes	Yes	Reverb Level
	93	Yes	Yes	Chorus Level
	120	Yes	Yes	All Sound Off
	121	No	No	Reset All Controllers
	123	Yes	Yes	All Notes Off

DP-95 B, DP-95 WH



Function		Sent	Received	Notes
Program Change	True #	Yes *****	Yes 0 – 127	
System Exclusive		No	Yes	
System Common	Song Position Pointer	No	No	
	Song Select	No	No	
	Tune Request	No	No	
System Real Time	Clock	Yes	No	
	Commands	No *1	No	
Aux Messages	LOCAL ON/OFF	No	No	
	Active Sensing	No	Yes	
	System Reset	No	No	
Notes: *1				
	When the accompaniment starts, an FAH message is transmitted.			
When the accompaniment stops, an FCH message is transmitted. When an FAH message is received, the accompaniment starts. When an FCH message is received, the accompaniment stops.				

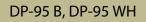
MIDI channel modes

	POLY	MONO ON
OMNI ON	Mode 1	Mode 2
OMNI OFF	Mode 3	Mode 4



Technical specifications

Display	Multifunction LCD		
Keyboard	88 weighted keys with hammer action and adjustable touch response		
Polyphony	128-voice		
Voices	500		
Styles	200		
Practise songs	60		
Demo songs	2		
Album	120 Songs		
Memory	32 memory locations		
Pedals	Multifunction pedal, Sostenuto, Sustain		
Connections	Voltage supply AC 230 V \sim , 2 \times headphones (1/4" phone jack), AUX, USB, MIDI		
Amp	10 W		
Speaker	2×20 W, 8 Ω		
	2 × 25 W, 8 Ω		
Operating supply voltage	AC 230 V ~		
Dimensions (W \times D \times H)	1380 mm \times 514 mm \times 906 mm		
Weight	53 kg		
Housing colour	Black	Item number 352288	
	White	Item number 352389	





16 Protecting the environment

Disposal of the packaging material



Disposal of your old device



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.



DP-95 B, DP-95 WH



Notes



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