th•mann

DP-26

Digital Piano

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1 General information

This document contains important instructions for the safe operation of the product. Read and follow the safety instructions and all other instructions. Keep the document for future reference. Make sure that it is available to all those using the product. If you sell the product to another user, be sure that they also receive this document.

Our products and documentation are subject to a process of continuous development. They are therefore subject to change. Please refer to the latest version of the documentation, which is ready for download under *www.thomann.de*.

1.1 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 document.

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.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material 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!

Risk of injury and choking hazard for children!

Children can suffocate on packaging material and small parts. Children can injure themselves when handling the device. Never allow children to play with the packaging material and the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision. Keep small parts away from children and make sure that the device does not shed any small parts (such knobs) that children could play with.

DANGER!

Danger to life due to electric current!

Within the device there are areas where high voltages may be present. Never remove any covers. There are no user-serviceable parts inside. Do not use the device when covers, safety equipment or optical components are missing or damaged.

WARNING!

Possible hearing damage due to high volumes on speakers or headphones!

With speakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment. Over an extended period of time, even levels that seem to be uncritical can cause hearing damage. 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.

NOTICE!

Damage to the device if operated in unsuitable ambient conditions!

The device can be damaged if it is operated in unsuitable ambient conditions. Only operate the device indoors within the ambient conditions specified in the "Technical specifications" chapter of this user manual. Avoid operating it in environments with direct sunlight, heavy dirt and strong vibrations. Avoid operating it in environments with strong temperature fluctuations. If temperature fluctuations cannot be avoided (for example after transport in low outside temperatures), do not switch on the device immediately. Never subject the device to liquids or moisture. Never move the device to another location while it is in operation. In environments with increased dirt levels (for example due to dust, smoke, nicotine or mist): Have the device cleaned by qualified specialists at regular intervals to prevent damage due to overheating and other malfunctions.

NOTICE!

Damage to the external power supply due to high voltages!

The device is powered by an external power supply. The external power supply can be damaged if it is operated with the incorrect voltage or if high voltage peaks occur. In the worst case, excess voltages can also cause a risk of injury and fires. Make sure that the voltage specification on the external power supply matches the local power grid before plugging in the power supply. Only operate the external power supply from professionally installed mains sockets that are protected by a residual current circuit breaker (FI). As a precaution, disconnect the power supply from the power grid when storms are approaching or it the device will not be used for a longer period.

NOTICE!

Possible staining due to plasticiser in rubber feet!

The plasticiser contained in the rubber feet of this product may react with the coating of the floor and cause permanent dark stains after some time. If necessary, use a suitable mat or felt slide to prevent direct contact between the device's rubber feet and the floor.

3   Features

The digital piano is characterized by the following features:

- 88 weighted keys with hammer action
- LED display
- Pitch bend wheel
- 128-voice polyphony
- 20 voices
- 50 styles
- 60 practice and accompaniment songs
- 2 demo songs
- 5 memory locations for user recordings
- Reverb and Chorus effects
- Master EQ
- Melody and accompaniment functions
- Split, duet and duo mode
- Metronome
- Transpose function
- Built-in speakers
- Connections: 2 × headphone output, MIDI out, USB-MIDI, sustain pedal, Aux IN, Aux OUT
- Operating system: Windows® 8 and later, Mac OS X® 10.8 and later
- Automatic shutoff, deactivatable
- 12 V power adapter, sustain pedal and music stand included

4 Assembly instructions

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the product against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Set up the device in the desired location.

Voltage supply
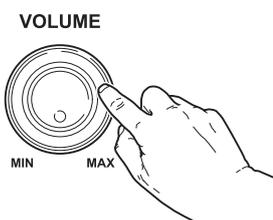
The unit is powered by the included 12 V power supply. Make sure that the device is turned off before you connect it to the power supply or disconnect it.

Turn the volume knob counter-clockwise to minimum before connecting the digital piano to the power supply or to other devices. This is to protect the speakers from damage.
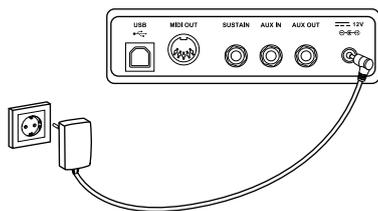
Connect the cable from the power supply outlet to the input socket *[12V]* on the rear panel of the piano. Plug the plug of the power cord into a properly wired and earthed mains wall outlet.

5   Control panel and connections

Overview
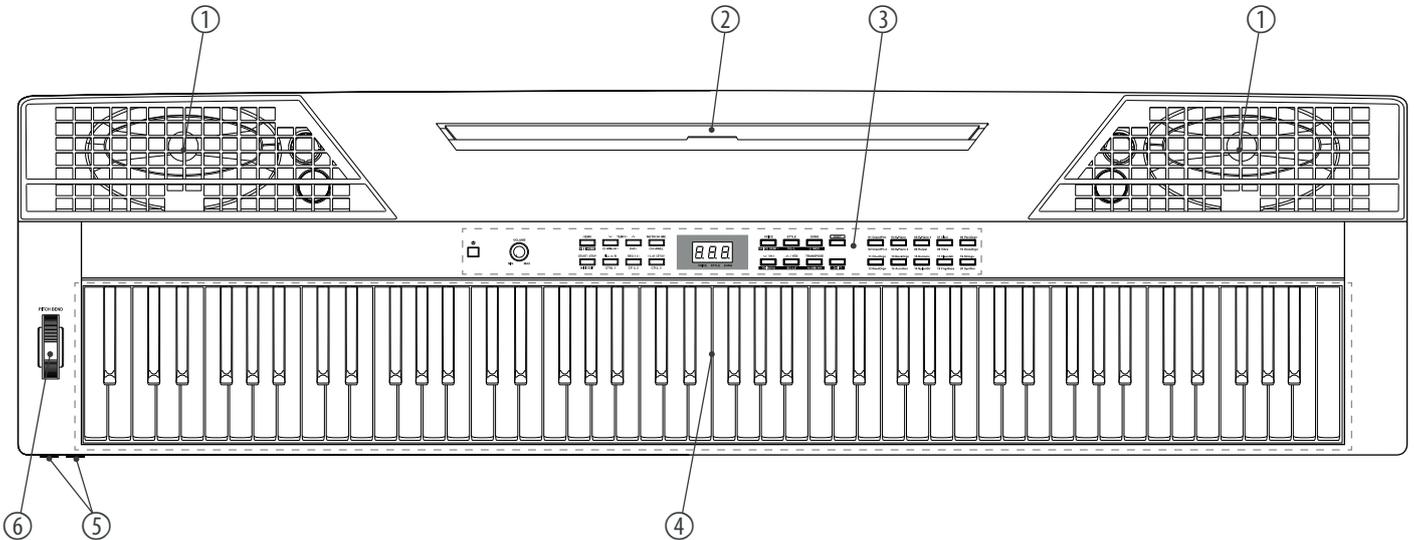
1	Built-in speakers
2	Music stand holder
3	Control panel with function keys and display
4	Keyboard with 88 keys
5	2 × connection socket for headphones
6	Pitch bend wheel for changing the pitch

Control panel
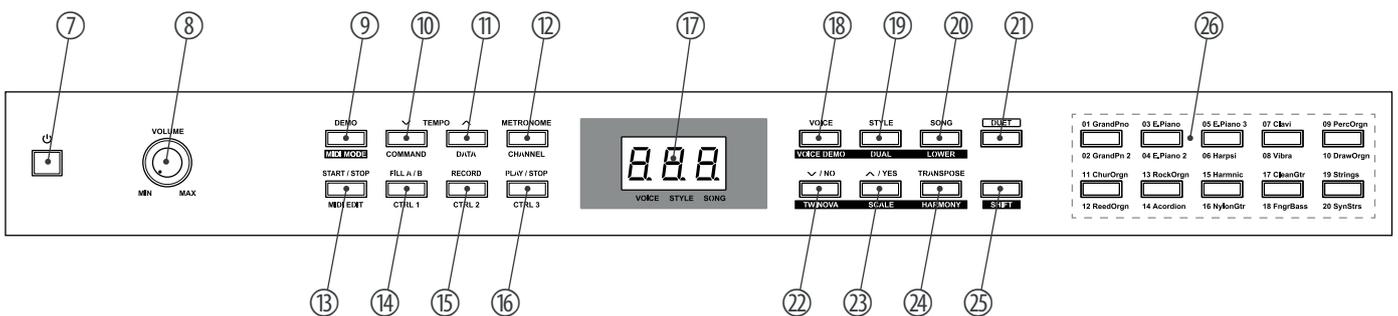
Tab. 1: Controls and function buttons with single assignment

7	Button for turning the piano on and off.
8	*[VOLUME]*	Rotary control to adjust the volume
17	Display
21	*[DUET]*	Button for activating/deactivating the duet function

| 25 | *[SHIFT]* \| Enables the second button function in combination with one of the buttons *[18] … [20]* and *[22] … [24]*. |
| 26 | Direct select buttons for voices. |

Tab. 2: Function buttons with double assignment normal function / MIDI operation

No.	Button	Normal function	Function in MIDI operation
10	*[TEMPO –]/[COMMAND]*	Reduces the playback tempo.	Enables the edit mode for assigning MIDI commands.
11	*[TEMPO +]/[DATA]*	Increases the playback tempo.	Enables the edit mode for entering values.
12	*[METRONOME]/[CHANNEL]*	Turns the metronome on and off.	Enables edit mode for assigning MIDI channels.
13	*[START / STOP]/[MIDI EDIT]*	Starts/stops the playback of demo songs or styles.	Enables the edit mode for assigning MIDI controllers.
14	*[FILL A/B]/[CTRL1]*	Select button to insert a fill bar.	Transferring data from controller 1 or editing controller 1.
15	*[RECORD]/[CTRL 2]*	Enables recording mode.	Transferring data from controller 2 or editing controller 2.
16	*[PLAY / STOP]/[CTRL 3]*	Starts/stops the playback of user recordings.	Transferring data from controller 3 or editing controller 3.

Tab. 3: Function buttons with double assignment normal function / button combination operation SHIFT+

No.	Button	Normal function	Function in combination with *[SHIFT]*
9	*[DEMO]/[MIDI MODE]*	Enables/disables demo mode.	Enables/disables MIDI mode.
18	*[VOICE]/[VOICE DEMO]*	Enables/disables voice mode.	Starts/stops the playback of voices.
19	*[STYLE]/[DUAL]*	Enables/disables style mode.	Enables/disables dual mode.
20	*[SONG]/[LOWER]*	Enables/disables song mode.	Enables/disables split mode.
22	*[–/NO]/[TWINOVA]*	Decreases the displayed value.	Enables/disables TWINOVA mode.
23	*[+/YES]/[SCALE]*	Increases the displayed value.	Enables/disables the selection of historic tunings.
24	*[TRANSPOSE]/[HARMONY]*	Enables/disables the transpose function.	Enables/disables harmony mode.

Keyboard function buttons   Press *[SHIFT]* to enable the following keyboard buttons:
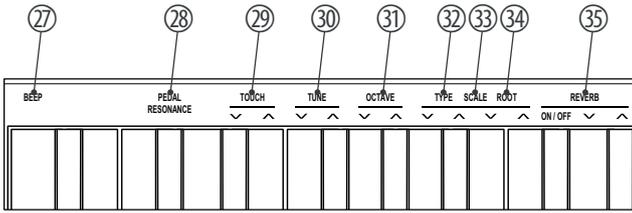
27	*[BEEP]* | Button for turning the button tone of the function buttons on and off
28	*[PEDAL RESONANCE]* | Button for enabling/disabling the resonance function for a connected sustain pedal
29	*[TOUCH]* | Button for adjusting touch sensitivity
30	*[TUNE]* | Button for fine tuning the keyboard
31	*[OCTAVE]* | Button for octaving the keyboard in TWINOVA mode
32	*[TYPE]* | Buttons for selecting a historic tuning
33	*[SCALE]* | Button for activating/deactivating the selection of historic tunings
34	*[ROOT]* | Buttons for selecting the root note of a historic tuning
35	*[REVERB]* | Buttons for enabling/disabling the reverb effect and selecting the reverb type
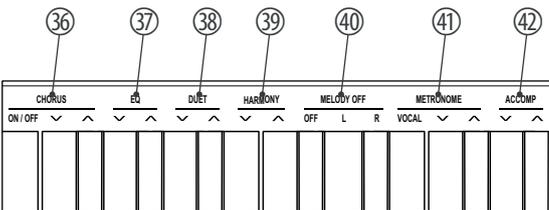
36	*[CHORUS]* | Buttons for enabling/disabling the chorus effect and selecting the chorus type
37	*[EQ]* | Buttons for selecting a pre-programmed tone colour (EQ type)
38	*[Duet]* | Button for selecting a pre-programmed duet accompaniment (duet type)
39	*[HARMONY]* | Buttons for selecting a preset in harmony mode
40	*[MELODY OFF]* | Buttons for enabling/disabling practice mode and muting the right or left hand voice
41	*[METRONOME]* | Buttons for selecting the metronome sound
42	*[ACCOMP]* | Buttons for increasing/decreasing the accompaniment track volume

Control panel and connections
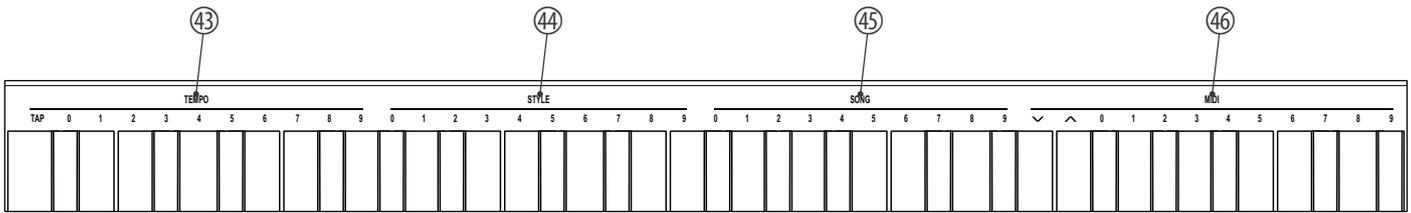
43	*[TEMPO]*	Buttons for increasing/decreasing the playback speed
44	*[STYLE]*	Buttons for selecting a style
45	*[SONG]*	Buttons for selecting a song
46	*[MIDI]*	Buttons for setting values in MIDI mode

Connections on the back
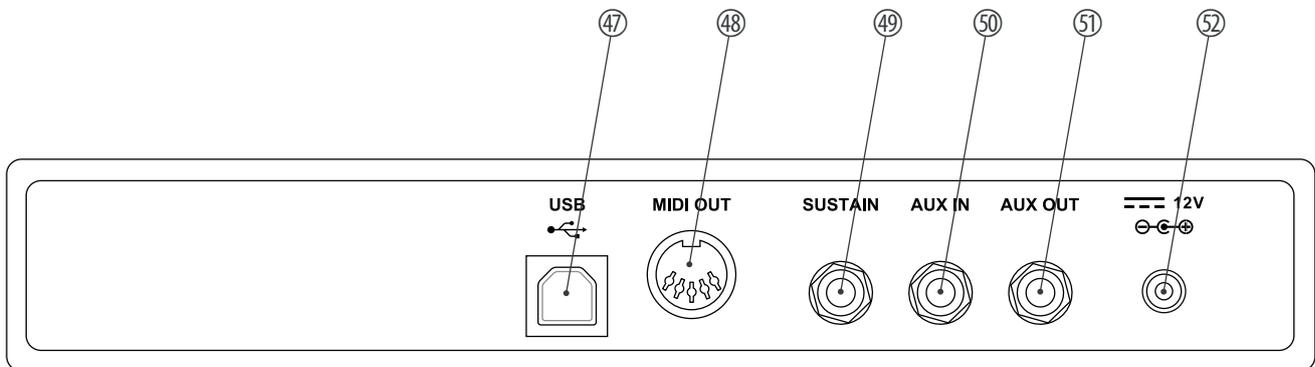
47	*[USB]*	USB interface for connecting to a computer
48	*[MIDI OUT]*	MIDI out for connecting an external MIDI device
49	*[SUSTAIN]*	Sustain pedal connection (6.35-mm jack)
50	*[AUX IN]*	Input socket for connecting an external audio device (e.g. MP3 or CD player, 6.35-mm jack).
51	*[AUX OUT]*	Output socket for connecting the digital piano to an amplifier, stereo system, mixer or recording device (6.35-mm jack)
52	*[12 V]*	Connection for the power supply

6   Connection options

Headphones
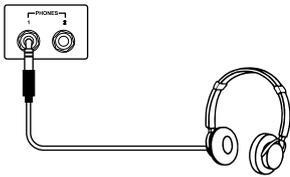
To the left beneath the keyboard you will find headphone outputs 1 and 2.

Connecting headphones (not supplied) to output 2 mutes the speakers.

Using output 1 maintains the sound output through the speakers.

External audio devices via AUX OUT
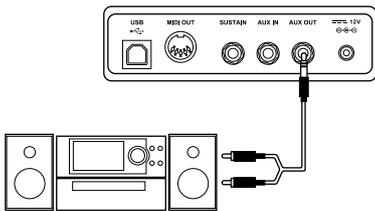
Use the *[AUX OUT]* socket to connect the digital piano to an amplifier, stereo device, mixing console or recording device. Plug one end of the audio cable into the *[AUX OUT]* socket on the back of the digital piano and the other end into the input of the respective audio device.

> **!** **NOTICE!**
> To prevent damage to the speakers, turn the volume down to "Minimum" before you connect other devices to the digital piano.

External audio devices via AUX IN
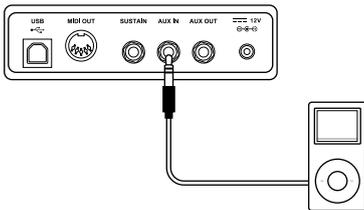
Use the *[AUX IN]* socket to connect e.g. a CD or MP3 player to the digital piano. This enables you to playback music through the internal speakers of the digital piano and simultaneously play along to it. Plug one end of the audio cable into the *[AUX IN]* socket on the back of the digital piano and the other end into the output of the respective audio device.

Computer via USB
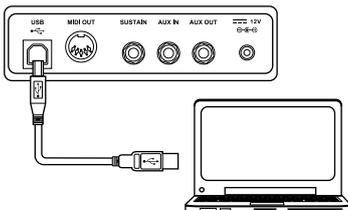
You can connect the digital piano to exchange data with a PC via the USB port.

> ⓘ *Use a current operating system still supported by the provider to avoid technical difficulties.*

MIDI device via MIDI OUT
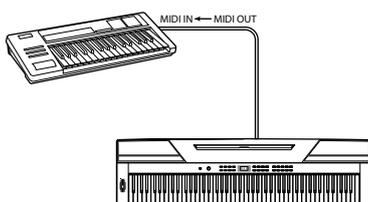
Use the MIDI interface to send MIDI data to an external MIDI device.

Sustain pedal
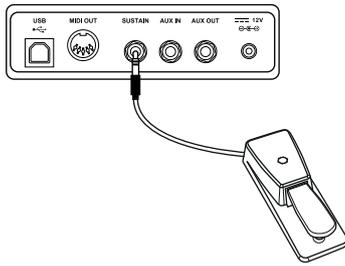
Use the *[SUSTAIN]* connection socket to connect a sustain pedal to the digital piano.

Pedal box
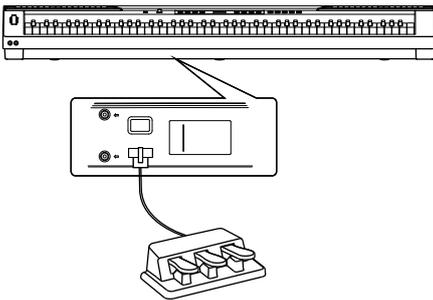
You can connect a triple pedal (sustain, sostenuto and soft) of the optional Thomann original stand (item no. 352262) via the connection socket on the bottom of the digital piano.

7 Switching on and off and basic operation

7.1 Switching on the digital piano

7.1.1 Switching on and off normally

Press the power button on the left of the operating panel to turn the digital piano on or off.

7.1.2 Automatic shutoff

If the digital piano is not used for 30 minutes, it switches off automatically. To turn it on again, press the on/off switch to the left of the operating panel.

To disable the automatic shutoff function, keep the first left piano key on the keyboard pressed while turning the digital piano on.

7.2 Adjusting the volume
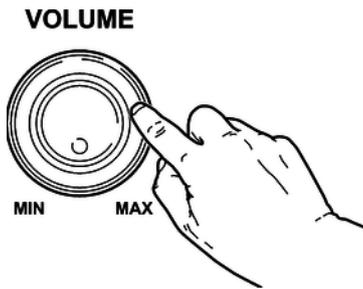
Adjust the *[VOLUME]* control for a pleasant volume for playback and practising. Turn the control clockwise to increase the volume. Turn it anti-clockwise to reduce the volume.

7.3 Touch sensitivity

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

Setting	Meaning
[OFF]	Touch sensitivity is off. This can be very useful when playing the organ voice.
[1]	Soft	In this setting, the volume is higher than usual even when playing with a soft touch.
[2]	Normal	This setting corresponds to the usual touch response of a keyboard.
[3]	Hard	In this setting, the volume is lower than usual even when playing with a hard touch.

Keep the *[SHIFT]* button pressed and press one of the piano keys in the *[TOUCH]* area to adjust the touch sensitivity.

7.4   Fine tuning

With this function you can fine tune the entire keyboard.

1. ▸ Keep the *[SHIFT]* button pressed and adjust the tuning of the entire keyboard with the piano buttons *[TUNE]* in a range of a semi tone (= 100 cent). Each time the key is pressed, the value changes 1 cent upward or downward.

2. ▸ Simultaneously press the two *[TUNE]* piano buttons to reset the tuning of the keyboard back to the default setting.

7.5   Setting the split point

A0   F#3
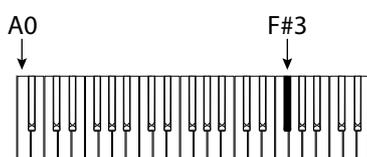
The split point of the keyboard can be freely selected (default setting: *'L.19'* = key F#3).

1. ▸ Simultaneously press *[LOWER]* and the key of the keyboard that is to be the new split point.

2. ▸ Release both keys.

⇨   The new setting is instantly applied.

7.6   Metronome

1. ▸ **Turning the metronome on and off**

Press the function button *[METRONOME]* to turn the metronome on or off.

When the Metronome is running, the LEDs of the *[START/STOP]* button light up. The red LED flashes with the downbeats. The green LED flashes with the upbeats.

2. ▸ **Setting the tempo**

See ↳ *Chapter 7.7 'Tempo' on page 18*.

3. ▸ **Setting the time signature**

Keep the *[SHIFT]* button pressed and set the desired time signature (*'0'* … *'9'*) with the piano keys *[METRONOME]*.

4. ▸ **Setting the metronome sound**

Keep the *[SHIFT]* button pressed and use the piano key *[VOCAL]* to toggle between the settings *'normal sound'* and *'human voice'*.

> The metronome function is not available in song mode.

7.7 Tempo

All pre-programmed songs, styles and voices and the metronome function are stored with certain tempo information. These presets can be adjusted at any time.

1. ▶ **Tempo adjustment via function keys**

   Press the function buttons *[TEMPO +]* and *[TEMPO –]* during playback or with the metronome running to adjust the tempo in a range from *'30'* … *'280'*.

2. ▶ **Entering the tempo numerically**

   Keep the *[SHIFT]* button pressed and enter the desired value in a range from *'30'* … *'280'* using the piano keys in the *[TEMPO]* area.

   Example: To set a tempo of 214 bpm you have to press the keys *[2]*, *[1]* and *[4]* in the *[TEMPO]* area successively.

3. ▶ **Tempo adjustment via TAP function**

   Keep the *[SHIFT]* button pressed during playback or when the metronome is running and press the *[TAP]* button twice in succession at the desired tempo.

4. ▶ **Tempo reset**

   Press the function buttons *[TEMPO +]* and *[TEMPO –]* simultaneously to reset the tempo to the factory default setting.

7.8 Transposing

With this function you can adjust the pitch of the keyboard in semitone steps one octave up or down.

1. ▶ Press *[TRANSPOSE]*.

   ⇨ The display shows the set value.

2. ▶ Use the buttons *[NO]* and *[YES]* to adjust the pitch in a range from *'−12'* … *'12'*.

3. ▶ Press *[NO]* and *[YES]* simultaneously to reset the pitch back to factory defaults.

7.9 Resonance effect

This effect simulates the lifting of the damper in an analogue keyboard instrument. When pressing the keys, the played notes decay more slowly.

1. ▶ Press *[SHIFT]* and *[PEDAL RESONANCE]* simultaneously to enable the resonance effect.

2. ▶ Press *[SHIFT]* and *[PEDAL RESONANCE]* simultaneously to disable the resonance effect again.

> ⓘ *When you turn on the digital piano the resonance effect is disabled by default.*
>
> *Enabling the resonance effect disables harmony mode. Enabling it while playing may cause a slight interruption of sound reproduction.*

7.10   Digital effects

7.10.1   Reverb and chorus

With the reverb and chorus functions you can simulate acoustic effects under different ambient conditions.

1. ▸ Keep the *[SHIFT]* button pressed and turn on the desired effect with the piano key *[ON/OFF]* in the *[REVERB]* or *[CHORUS]* area.

2. ▸ Keep the *[SHIFT]* button pressed and adjust the effects depth with the piano keys *[REVERB]* or *[CHORUS]*.

Piano key	in the *[REVERB]* area	in the *[CHORUS]* area
[1]	Chamber	Slight chorus effect
[2]	Small hall	Medium chorus effect
[3]	Large hall	Strong chorus effect
[4]	Delay	Flanger effect
[5]	Right/left delay	Rotating

7.10.2   Equalizer

The digital piano offers five different EQ presets to select a specific tone colour. Keep the *[SHIFT]* button pressed and select the desired tone colour with the piano keys *[EQ]*.

Display	Equalizer setting
'1'	Standard
'2'	Modern
'3'	Rock
'4'	Classic
'5'	Jazz

> ⓘ *When you turn on the digital piano, the effects are disabled by default and the EQ preset is "Standard".*

7.11   Selecting voices

The instrument features a selection of 20 realistic voices, see ✎ *Chapter 10 'Voice list' on page 34*.

1. ▶ Press *[VOICE]* or one of the direct selection buttons to activate the last set voice or select a specific voice directly.

   ⇨   The display shows the number of the selected voice, e.g. *'0.01'*.

2. ▶ Use the buttons *[NO]* and *[YES]* or a direct select button to select another voice.

   Press the *[VOICE]* button repeatedly to toggle between the upper and lower voice of a direct selection button.

7.12   Demo songs

The demo tracks incorporated in the digital piano demonstrate the sound and the pitch range of the instrument.

1. ▶ Press *[DEMO]* to start playing the demo songs in a continuous loop.

   ⇨   The display shows *'d-1'*. The LED of the *[DEMO]* button lights up.

2. ▶ Use *[NO]* and *[YES]* to toggle between both demo songs.

3. ▶ Press *[DEMO]* again to stop playing the demo songs.

   ⇨   The *[DEMO]* button LED goes out.

7.13   Demo mode

In demo mode, you can preview the individual voices of the digital piano.

1. ▶ Use *[VOICE]* to switch to the voice select mode.

2. ▶ Select a voice as described in section ✎ *Chapter 7.11 'Selecting voices' on page 20*.

3. ▶ Press *[SHIFT]* and *[VOICE DEMO]* simultaneously to enter the demo mode.

4. ▶ Start/stop playing the demo song with *[START/STOP]*.

5. ▶ Press *[VOICE]* again to exit demo mode.

> ⓘ   *In demo mode, the piano keys cannot be played.*

7.14   Dual mode

In dual mode you can play two voices simultaneously.

1. ▸ First, select the first voice as described in section ✤ *Chapter 7.11 'Selecting voices ' on page 20*.

2. ▸ Press *[SHIFT]* and *[DUAL]* simultaneously to enter the dual mode.

⇨ The LED of the *[DUAL]* button lights up. The display shows the default second voice *'d.19'*.

3. ▸ Use the buttons *[NO]* and *[YES]* or a direct select button to select another voice.

⇨ The currently set second voice also appears in the display. If you now press a key, both voices sound simultaneously.

4. ▸ Press the *[DUAL]* button again to exit dual mode.

> *If the keyboard is split, dual mode affects only the keys to the right of the keyboard split point.*

7.15   Duet mode

In duet mode, you can cause the digital piano to play a complete melody accompaniment automatically by playing a chord with your left hand.

1. ▸ **Enabling duet mode**

Use *[DUET]* to change to duet mode.

⇨ The LED of the *[DUET]* button lights up. The display shows the set duet type for two seconds, e.g. *'d01'*, and then returns to normal.

2. ▸ **Selecting the duet type**

Keep the *[SHIFT]* button pressed and select the desired duet type with the piano keys *[DUET]* (*'d01'* … *'d32'*).

3. ▸ **Playing in duet mode**

Play a chord with your left hand in the chord area of the keyboard (see ✤ *Chapter 7.5 'Setting the split point' on page 17*). The melody accompaniment starts automatically.

4. ▸ **Exiting duet mode**

Press the *[DUET]* button again to exit duet mode.

> *The various duet types change with the pre-programmed voices.*

7.16 Harmony mode

In Harmony mode, suitable harmonic frequencies are automatically added to the notes played.

1. ▸ **Enabling Harmony mode**

Press *[SHIFT]* and *[HARMONY]* simultaneously to switch to harmony mode.

⇨ The display shows the default value *'oFF'*.

2. ▸ **Selecting a preset**

Keep the *[SHIFT]* button pressed and select one of the three presets with the piano keys *[HARMONY]*:

Preset	Display
1+5	*'H-1'*
Octave 1	*'H-2'*
Octave 2	*'H-3'*

7.17 Split mode

With this function you can split the keyboard into two areas and assign different voices. By default, the bass voice is to the left of the split point.

1. ▸ If you wish you can specify your individual split point as described under ↳ *Chapter 7.5 'Setting the split point' on page 17*.

2. ▸ Select the right hand voice as described in section ↳ *Chapter 7.11 'Selecting voices ' on page 20*.

3. ▸ Press *[SHIFT]* and *[LOWER]* simultaneously to enter the Split mode.

⇨ The LED of the *[LOWER]* button lights up. The display shows the preset split point *'L.19'*.

4. ▸ Use the buttons *[NO]* and *[YES]* or a direct select button to assign a voice for the area to the left of the split point (second voice).

⇨ The currently set second voice also appears in the display. You now have the opportunity to play the digital piano with two different voices.

5. ▸ Press the *[LOWER]* button again to exit split mode.

7.18 TWINOVA

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

1. ▸ **Selecting a voice**

First, select the desired voice (see ↳ *Chapter 7.11 'Selecting voices ' on page 20*).

2. ▸ **Enabling TWINOVA**

Press *[SHIFT]* and *[TWINOVA]* simultaneously to enter the TWINOVA mode.

⇨ The display shows *'on'*.

3. ▸ **Setting the split point**

Simultaneously press *[LOWER]* and one of the piano keys in the area of C3 … C6 where you want to set the split point.

Release both keys. The new setting is instantly applied.

4. ▸ **Setting the octave range**

Keep the *[SHIFT]* button pressed and specify the desired octave range with the piano keys *[OCTAVE]*.

⇨ The display shows the selected range, e.g. *'1'*.

7.19 Playing with accompaniment

The digital piano features 50 styles to choose from, see ↻ *Chapter 9 'Styles list' on page 33*.

7.19.1 Selecting a style

1. ▸ Use *[STYLE]* to switch to style selection.

⇨ The display shows the currently selected style (default: *'00.1'*). The LED of the *[STYLE]* button lights up.

2. ▸ **Selection via function buttons**

Use the buttons *[NO]* and *[YES]* to select a style.

3. ▸ **Selection via style number**

Keep the *[SHIFT]* button pressed and enter the selection number of the style (see ↻ *Chapter 9 'Styles list' on page 33*) via the piano keys in the *[STYLE]* area.

Example: To set style 08 you have to press the keys *[0]* and *[8]* in the *[STYLE]* area successively.

7.19.2 Playing styles, chord mode

1. ▸ Start playing the selected style with *[START/STOP]*. Chord mode (A.B.C.) is automatically enabled at the same time.

⇨ The *[START/STOP]* button LEDs flash.

The area set for the left hand becomes the accompaniment area. Chords played in this area are recognised automatically and used as a base for the accompaniment with the selected style.

2. ▸ Stop playing the style with *[START/STOP]*. Chord mode (A.B.C.) is automatically disabled.

7.19.3 Fill A/B

With this function you can insert fill bars in accompaniment mode.

1. ▸ In NORMAL mode (main part A), press *[FILL A/B]* to insert a fill bar. The *[FILL A/B]* button LED is flashing. After the bar has ended, the digital piano changes to main part B. The *[FILL A/B]* button LED lights up.

2. ▸ In VARIATION mode (main part B), press *[FILL A/B]* to insert a fill bar. The *[FILL A/B]* button LED is flashing. After the bar has ended, the digital piano changes to main part A. The *[FILL A/B]* button LED goes out.

> *If you keep [FILL A/B] pressed while a style is being played, the selected fill pattern is played until you release the key. The [FILL A/B] button LED flashes for as long as you keep the button pressed.*

7.19.4 Accompaniment track volume, muting

This function allows you to adjust the volume of the accompaniment track to the volume of the keyboard or to mute the accompaniment track.

1. ▸ **Setting the accompaniment track volume**

Keep the *[SHIFT]* button pressed.

Use the piano buttons *[ACCOMP]* to adjust the accompaniment track volume in a range from 0 … 127.

2. ▸ **Muting the accompaniment track**

Keep the *[SHIFT]* button pressed.

Press the two piano keys *[ACCOMP]* simultaneously to mute the accompaniment track. The display shows *'oFF'*.

3. ▸ **Re-enabling the accompaniment track**

Press *[SHIFT]* and the two piano buttons *[ACCOMP]* simultaneously to re-enable the accompaniment track.

⇨ The display returns to the set volume level of the accompaniment track, e.g. *'100'*.

7.20 Practise songs

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

7.20.1   Playing practise songs

1. ▶ Use *[SONG]* to switch to the practise song playback mode. The LED of the *[SONG]* button lights up.

If you press the *[SONG]* button again all practise songs are played sequentially in a continuous loop.

If you press the *[START/STOP]* button the currently displayed practise song will be repeated in a continuous loop.

During playback, the LEDs of the *[START/STOP]* button flash. The red LED flashes with the downbeats. The green LED flashes with the upbeats. The display shows the number of the song being played, e.g. *'001'*.

2. ▶ Press *[START/STOP]* again to stop the playback.

3. ▶ Press *[SONG]* again to exit the mode.

7.20.2   Selecting practise songs

1. ▶ **Selection via function buttons**

Use *[SONG]* to switch to the practise song playback mode. The LED of the *[SONG]* button lights up.

Use the buttons *[NO]* and *[YES]* to select a song.

2. ▶ **Selection via song number**

Use *[SONG]* to switch to the practise song playback mode. The LED of the *[SONG]* button lights up.

Keep the *[SHIFT]* button pressed and enter the selection number of the song (see ⮵ *Chapter 8 'Practise and demo songs' on page 31*) via the piano keys in the *[SONG]* area.

Example: To set song 08 you have to press the keys *[0]* and *[8]* in the *[SONG]* area successively.

7.20.3   Practise function right / left hand

All 60 songs can be used for practising. Keep the *[SONG]* button pressed in Practise mode and specify with the piano buttons in the *[MELODY OFF]* area which hand you want to practise with. Press the *[OFF]* button to exit practise mode.

1. ▶ **Left hand practise**

Use *[SONG]* to switch to the practise song playback mode. The LED of the *[SONG]* button lights up.

Simultaneously press *[SHIFT]* and the piano key *[L]* in the *[MELODY OFF]* area to mute the area to the left of the split point of the keyboard for practising the left hand.

2. ▶ **Right hand practise**

Use *[SONG]* to switch to the practise song playback mode. The LED of the *[SONG]* button lights up.

Simultaneously press *[SHIFT]* and the piano key *[R]* in the *[MELODY OFF]* area to mute the area to the right of the split point of the keyboard for practising the right hand.

3. ▶ **Exiting practise mode**

Press the *[OFF]* button in the *[MELODY OFF]* area to exit practise mode.

7.21   Recording function

You can record your own songs with the digital piano and save up to five recordings as user songs in the internal memory. Unsaved recordings are retained in the clipboard memory when the digital piano is switched off.

7.21.1   Recording preparation

1. ▶ Use *[RECORD]* to change to recording mode.

⇨ The LED of the *[RECORD]* button lights up. The display shows the number of the first free slot for user-songs *'nFx'*.

2. ▶ Use *[NO]* and *[YES]* to select a free memory slot for the recording.

> ⓘ *Occupied slots are shown on the display as 'r-x'. These recordings can be overwritten at any time, but they cannot be restored!*

3. ▶ Press *[RECORD]* again to put the digital piano in record enable mode.

⇨ The *[START/STOP]* button LEDs flash.

4. ▶ If desired, select an accompaniment (style ✎ *Chapter 7.19.1 'Selecting a style' on page 23* or voice ✎ *Chapter 7.11 'Selecting voices ' on page 20*) and set the recording tempo (✎ *Chapter 7.7 'Tempo' on page 18*).

7.21.2 Recording

1. ▶ **Recording without accompaniment**

The recording starts with the first keystroke.

2. ▶ **Recording with accompaniment**

Press the *[START/STOP]* button in record enable mode to start recording. Chord mode (A.B.C.) is automatically enabled at the same time.

The recording starts as soon as you play the first chord in the chord area to the left of the split point of the keyboard (♻ *Chapter 7.5 'Setting the split point' on page 17*).

The current recording can be interrupted with *[START/STOP]* at any time. Then you have the option to switch to *[RECORD]* mode again.

7.21.3 Stopping recording

To stop recording, press *[RECORD]*.

The recording is automatically stored in the device. The display shows *'---'*. Once saving is complete, the *[RECORD]* button LED goes out.

> ⓘ *When the full memory capacity has been reached, the recording is terminated automatically and the recorded data is saved. During the saving process, the indicator flashes quickly. The display shows 'FUL'.*

7.21.4 Playing a recording

1. ▶ Use *[PLAY/STOP]* to switch to the playback mode for user songs.

2. ▶ Use *[NO]* and *[YES]* to select a recording from the memory (*'P-1'* … *'P-5'*).

3. ▶ Press *[PLAY/STOP]* to play the user song.

⇨ The *[PLAY/STOP]* button LED lights up.

4. ▶ Press *[PLAY/STOP]* again to stop the playback.

⇨ The *[PLAY/STOP]* button LED goes out.

7.21.5 Deleting single recordings

1. ▶ Use *[PLAY/STOP]* to switch to the playback mode for user songs.

2. ▶ Use *[NO]* and *[YES]* to select a recording you want to delete.

3. ▶ Press *[RECORD]*.

⇨ The confirmation prompt *'dEL'* appears on the display.

4. ▶ Confirm with *[YES]* to delete the recording. Press *[NO]* to cancel the process.

7.21.6   Deleting all recordings

1. ▶ Turn off the digital piano.

2. ▶ When turning it back on again, keep the buttons *[RECORD]* and *[PLAY/STOP]* pressed.

⇨ All user songs will be deleted without further confirmation prompt.

7.22   Historic tunings

You can use this function to experiment with different historical tunings when playing certain musical genres that have not been composed based on equal temperament.

1. ▶ Press *[SHIFT]* and *[SCALE]* simultaneously to enter the "historic tunings" mode. The display briefly shows *'on'* and then changes to the last setting. The default historic tuning is *'001'* (Pythagoras).

2. ▶ Keep the *[SHIFT]* button pressed and select the desired historic tuning with the piano keys *[SCALE]* and *[TYPE]*: Pythagoras, pure major, pure minor, middle tone, Werckmeister or Kirnberger.

3. ▶ Keep the *[SHIFT]* button pressed and select the root note of the selected tuning with the piano keys *[SCALE]* and *[ROOT]*.

4. ▶ Press *[SCALE]* again to exit the "historic tunings" mode.

7.23   MIDI functions

7.23.1   What is MIDI?

MIDI stands for Musical Instrument Digital Interface and represents the standard interface between a computer and electronic instruments. You can use the USB port or the MIDI output socket of the digital piano for transferring MIDI data to a computer or other USB device.

7.23.2   USB connection
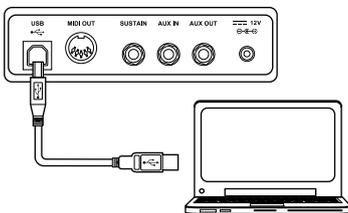
1. ▶ Connect the USB port of the digital piano using a standard USB cable (not included) to the USB port on your computer.

Use a current operating system still supported by the provider to avoid technical difficulties.

2. ▶ Heed the following guidelines when connecting instruments to a computer via USB. Otherwise, the instrument or the computer may crash, which can result in data loss. If a crash should occur, turn off computer and instrument and restart both after a few seconds.

> – *If the computer is in standby or hibernation, wake the computer before connecting the USB cable.*
> – *Establish the USB connection between computer and instrument before turning on the instrument.*

7.23.3 MIDI connection

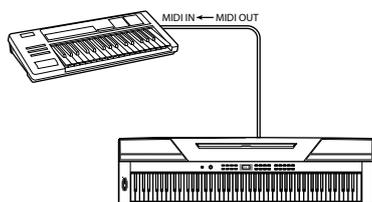With MIDI connections, the device that controls other devices is called the Master. A device that is controlled via MIDI is called Slave. Connect the MIDI OUT of the master to the MIDI IN of the slave.

7.23.4 Controller settings

The digital piano has three built-in controllers to control another device.

1. ▶ Hold down *[SHIFT]* and press *[MIDI MODE]* to switch to MIDI mode.

⇨ The *[MIDI MODE]* button LED lights up.

2. ▶ Press *[MIDI EDIT]* to enter edit mode.

⇨ The *[MIDI EDIT]* button LEDs light up.

3. ▶ Use *[CTRL 1]*, *[CTRL 2]* and *[CTRL 3]* to enable the controller you want to adjust.

⇨ The LED of the corresponding button flashes while the digital piano sends MIDI data. When all the data have been transferred, the LED lights up permanently.

4. ▶ If desired, press the button again to resend the data.

5. ▶ Press *[SHIFT]* and *[MIDI MODE]* simultaneously to exit the MIDI mode.

6. ▶ **MIDI commands**

Press *[COMMAND]* to enable the selection of MIDI messages. The display shows the current setting, the dot behind the *[VOICE]* display lights up.

Use the piano keys *[0]* … *[9]* in the *[MIDI]* area to enter the number of the MIDI command you want to assign to the active controller:

Number	Display	MIDI command
000 … 127	'0.00' … '1.27'	Standard MIDI command
128	'.Cn'	Programme change
129	'.dn'	Aftertouch
130	'.En'	Pitch bend wheel

7. ▶ **MIDI values**

Press *[DATA]* to enter a MIDI value. The display shows the current setting, the dot behind the *[STYLE]* display lights up.

Use the piano keys *[0]* … *[9]* in the *[MIDI]* area to enter a value between 000 … 127.

8. ▶ **Channel assignment**

Press *[CHANNEL]* to assign a MIDI channel. The display shows the current setting, the dot behind the *[SONG]* display lights up.

Use the piano keys *[0]* … *[9]* in the *[MIDI]* area to enter a channel number between 01 … 16.

9. ▶ Adjust the other channels as described.

10. ▶ Use *[MIDI EDIT]* to exit edit mode.

7.24   Factory defaults

Proceed as follows to restore the factory default settings:

1. ▶ Turn off the digital piano.

2. ▶ When turning it back on again, keep the buttons *[YES]* and *[NO]* pressed.

⇨   All user songs and settings are reset or deleted without further confirmation prompt. The display shows '---'.

8 Practise and demo songs

No.	Name		No.	Name
001	Waltz in G-sharp Minor (Op.39 No.3)		031	Mazurka
002	The Happy Farmer		032	Minuet 1
003	Etude		033	Minuet 2
004	Dance Of The Four Swans From „Swan Lake"		034	Minuet 3
005	Carmen Suite No.2 Habanera		035	Minuet In G
006	A Little Polish Dance		036	Neapolitan Song
007	Jesus Saviour Pilot Me		037	Prelude
008	Old Macdonald Had A Farm		038	Salut D'Amour
009	O Sole Mio		039	Pizzicato Polka
010	Wedding March From „Lohengrin"		040	Piano Sonata No.11 in A major K331 I.
011	2-Part Invention No.13 In A Minor BWV 784		041	Op30 No .6 F sharp minor Venetian Gondola Song
012	Turkish March		042	Duke Aria From „The Rigoletto"
013	Italian Polka		043	Burgmuller Op.100 No.15– Ballade
014	Musette		044	Spinning Song
015	Bourree		045	In The Theatre
016	To A Wild Rose		046	Alfredo and Violetta Column Tower Duet
017	Away In A Manger		047	Come Back To Sorrento
018	Fur Elise		048	Piano Sonatina In F Major
019	Marriage Of Figaro		049	Tchaikovsky Waltz
020	Angels We Have Heard On High		050	Military March No.1 In D Major
021	Waltz		051	Als Die Alte Mutter Mich Noch lehrte Singen
022	America The Beautiful		052	Etude on Leger Lines 1
023	Did You Ever See A Lassie		053	Etude on Leger Lines 2
024	Arabesque		054	At the Ball
025	Old France		055	Dancing Raindrops
026	Santa Claus Is Coming To Town		056	From a Story Book
027	Music Box Dancer		057	Comin' 'Round the Mountain
028	Symphony No.9 In E Minor Large From „The New World"		058	Song of the Brook
029	Larghetto		059	Puck
030	French Suites		060	Cotton-pickin' Fingers

Tab. 4: Demos

No.	Name
001	Fantasia
002	Chpn_op25_no1

9 Styles list

No.	Name	No.	Name	No.	Name
001	Romantic 8beat	018	Jazz 3	035	Jazz Blues
002	Pop 8Beat	019	Jazz 4	036	Piano Beat
003	Slow Rock	020	Jazz 5	037	Piano Bar
004	Lyric 3Beat	021	Boogie	038	Pop 1
005	Pop Waltz	022	Jive	039	Pop 2
006	Slow Waltz	023	Dixland	040	Pop 3
007	Waltz 1	024	Latin	041	Pop 4
008	Waltz 2	025	Tango	042	Pop Country
009	Waltz 3	026	Lambada	043	Pianist 1
010	Vienna Waltz	027	Samba	044	Pianist 2
011	March 1	028	ChaCha	045	Ballad 1
012	March 2	029	Beguine	046	Ballad 2
013	Polka	030	Salas	047	Ballad 3
014	Italian Polka	031	Pop Bossa	048	Ballad 4
015	Jazz Pub	032	Blues 1	049	6/8 Ballad
016	Jazz 1	033	Blues 2	050	6/8 Ballad 2
017	Jazz 2	034	Blues 3		

10 Voice list

No.	Name
Piano	
001	Grand Piano
002	Grand Piano 2
003	Ele. Piano
004	Ele. Piano 2
005	Ele. Piano 3
006	Harpsichord
Chromatic Percussion	
007	Clavi

No.	Name
008	Vibraphone
Organ	
009	Percussive Organ
010	Drawbar Organ
011	Church Organ
012	Reed Organ
013	Rock Organ
014	Accordion
015	Harmonica

No.	Name
Guitar	
016	Acoustic Guitar (nylon)
017	Electric Guitar (clean)
Bass	
018	Electric Bass (finger)
Strings & Orchestral Instruments	
019	String Ensembles
020	Synth Strings

11   MIDI implementation chart

Function		Sent	Received	Notes
Basic Channel	Default	1	ALL	
	Changed	1-16	1-16	
Mode	Default	No	Mode 3	
	Messages	No	Mode 3	
	Altered	***********	No	
Note Number	Note	0 – 127	0 – 127	
	True voice	********	0 – 127	
Velocity Note	Note ON	Yes, 9nH, v = 1 - 127	Yes, 9nH, v = 1 - 127	
	Note OFF	No, 9nH, v = 0	Yes, 9nH, 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	No	Yes	All Sound Off
	121	No	No	Reset All Controllers
	123	Yes	Yes	All Notes Off
Program Change	True #	Yes ***********	Yes 0 - 127	
System Exclusive		No	Yes	
System Common	Song Position Pointer	No	No	

Function		Sent	Received	Notes
	Song Select	No	No	
	Tune Request	No	No	
System Real Time	Clock	Yes	No	
	Commands	No *1	No *1	
Aux Messages	Local ON/OFF	No	No	
	ALL Notes OFF	Yes	Yes	
	Active Sensing	Yes	Yes	
	System Reset	No	Yes	

MIDI channel modes

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

12 Technical specifications

Input connections	Power supply	Socket for external power adapter
	Sustain pedal	1 × 6.35-mm jack socket
	AUX In	1 × 6.35-mm jack socket
	USB port	USB-to-host
Output connections	Headphones	2 × 6.35-mm jack socket
	MIDI Out	1 × DIN socket, 5-pin
	AUX OUT	1 × 6.35-mm jack socket
Keyboard	88 weighted keys with hammer action	
	Touch sensitivity adjustable	
Polyphony	128-voice	
Sounds	20	
Styles	50	
Effects	Master EQ, chorus, reverb	
Modes	Split, duet, duo, TWINOVA	
Pedals	Soft, sostenuto, sustain	
Pitch adjustment	Transposing	−12 … +12
	Octaving	−1 … +1
	Fine tuning	−50 … +50
Functions	Metronome	0 … 9
	Tempo	30 … 280
	Pitch bend	Built-in
Practise songs	60	
Demo songs	2	
Speakers	2 × 10 W, 4 Ω	
	2 × 20 W at 8 Ω	
Volume	+90 dB max.	
Power supply	External power adapter, 100 - 240 V ∿ 50/60 Hz	
Operating voltage	12 V ⎓ / 2,000 mA, centre positive	
Operating system	Windows® 8 and later, Mac OS X® 10.8 and later	
Dimensions (W × H × D)	1,510 mm × 230 mm × 480 mm	
Weight	12.1 kg	
Ambient conditions	Temperature range	0 °C…40 °C
	Relative humidity	20%…80% (non-condensing)

Further information

Colour	black
Surface	Matt
Bag	Matching bag optionally available (item no. 394939 and item no. 146377)
Protective cover	Matching protective cover optionally available (item no. 497390)
Sequencer	No
Modulation wheel	No
Pitch bend	Yes
Layer function	Yes

13   Plug and connection assignment

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment in such a way that a perfect sound experience is ensured.

Please note these advices, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into the socket, an incorrect connection may result in a destroyed power amp, a short circuit or 'just' in poor transmission quality!

Balanced and unbalanced transmission

Unbalanced transmission is mainly used in semi-professional environment and in hifi use. Instrument cables with two conductors (one core plus shielding) are typical representatives of the unbalanced transmission. One conductor is ground and shielding while the signal is transmitted through the core.

Unbalanced transmission is susceptible to electromagnetic interference, especially at low levels, such as microphone signals and when using long cables.

In a professional environment, therefore, the balanced transmission is preferred, because this enables an undisturbed transmission of signals over long distances. In addition to the conductors 'Ground' and 'Signal', in a balanced transmission a second core is added. This also transfers the signal, but phase-shifted by 180°.

Since the interference affects both cores equally, by subtracting the phase-shifted signals, the interfering signal is completely neutralized. The result is a pure signal without any noise interference.
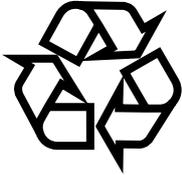
1/4" TRS phone plug (stereo, unbalanced)

| 1	Signal (left)
2	Signal (right)
3	Ground

14 Protecting the environment

Disposal of the packing material

Environmentally friendly materials have been chosen for the packaging. These materials can be sent for normal recycling. Ensure that plastic bags, packaging, etc. are disposed of in the proper manner.

Do not dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the instructions and markings on the packaging.
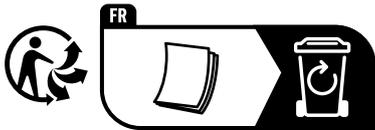
Observe the disposal note regarding documentation in France.

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) as amended.

Do not dispose of your old device with your normal household waste; instead, deliver it for controlled disposal by an approved waste disposal firm or through your local waste facility. If in doubt, consult your local waste management facility. You can also return the device to a retailer if they offer to take the device back for free or if they are legally obliged to do so. When disposing of the device, comply with the rules and regulations that apply in your country. You can also return your old device to Thomann GmbH at no charge. Check the current conditions on *www.thomann.de*.

Proper disposal protects the environment as well as the health of your fellow human beings. This is because the proper handling of old devices negates the potential negative effects of hazardous substances, and because it conserves resources by recycling them.

Also note that waste avoidance is a valuable contribution to environmental protection. Repairing a device or passing it on to another user is an ecologically valuable alternative to disposal.

If your old device contains personal data, delete those data before disposing of it.

Notes