th•mann

DP-275 GP BP, DP-275 GP WHP

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.
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 material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high-voltage.
	Warning – danger zone.

2 Safety

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!

Risk of death from electrical current!

A short circuit can cause fires and loss of life. Always use properly insulated, tripe-core mains cable. Do not modify the mains cable or the power plug. If the insulation is damaged, immediately switch off the power supply and have it repaired. If in doubt, contact a qualified electrician.

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.

CAUTION!

Risk of injury due to heavy weight!

The device is heavy. Lifting and dropping it during transport and installation can cause injuries. Make sure at least two people work together when transporting and installing the device.

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 device due to high voltages!

The device 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 device matches the local power grid before plugging in the device. Only operate the device from professionally installed mains sockets that are protected by a residual current circuit breaker (FI). As a precaution, disconnect the device from the power grid when storms are approaching or it the device will not be used for a longer period.

NOTICE!

Risk of fire due to installation of a wrong fuse!

Using fuses of a different type than compatible with the device may cause a fire and seriously damage the device. Only use fuses of the same type. Observe the labelling on the device casing and the information in the "Technical data" chapter.

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 offers the following features:

- 88 weighted keys with hammer action
- 3 pedals (sustain, soft, sostenuto)
- LCD
- User-friendly controls and indicators
- Built-in memory for user settings and recordings
- Built-in power amplifiers and speakers
- 256-voice polyphony
- 90 songs
- 3 demo songs
- 1200 sounds
- 270 styles
- 128 MIDI voices
- Metronome
- Transpose function
- Equalizer
- DSP, Reverb and Chorus effects
- Layer and split mode
- Harmony mode
- TWINOVA (duo mode)
- Touch response, adjustable
- Bluetooth®
- Recording function
- Connections: 2 × headphones, microphone, Aux in/out, MIDI In/Out/Thru, USB audio, USB MIDI
- Loudspeaker load capacity: 2 × 40 Watts + 2 × 20 Watts
- Automatic shutoff, can be deactivated
- Operating system: Windows® 8 and later, Mac OS X® 10.8 and later

4 Installation

Keep the equipment packaging. To fully protect the instrument against vibration, dust and moisture during transportation or storage, use the original packaging or your own packaging material suitable for transport or storage.

Set up the instrument in the desired location.

Overview
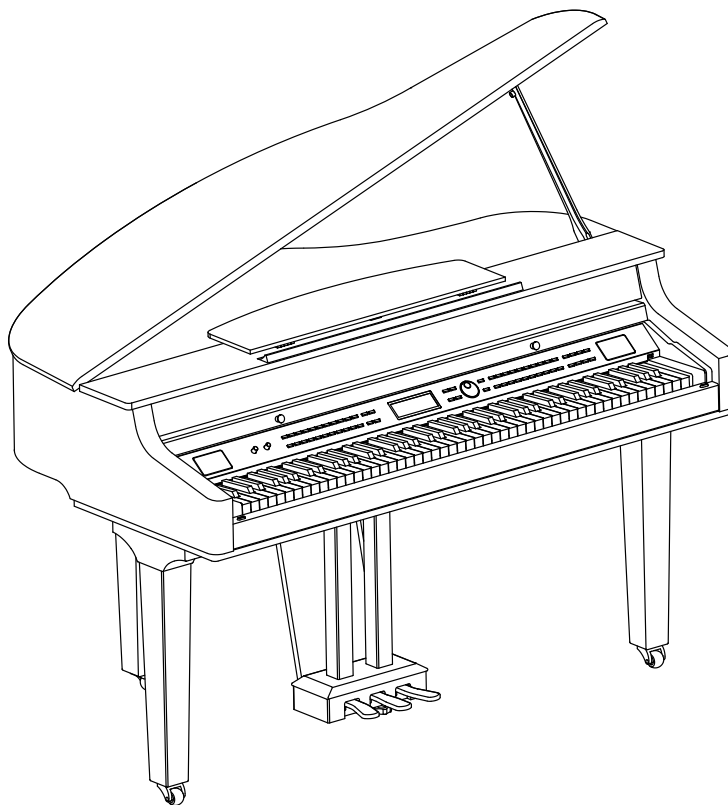
All you need to assemble the digital piano is the included tool. Open the package, take out all items and check before assembling that the entire scope of delivery is present, as listed here.

Scope of delivery
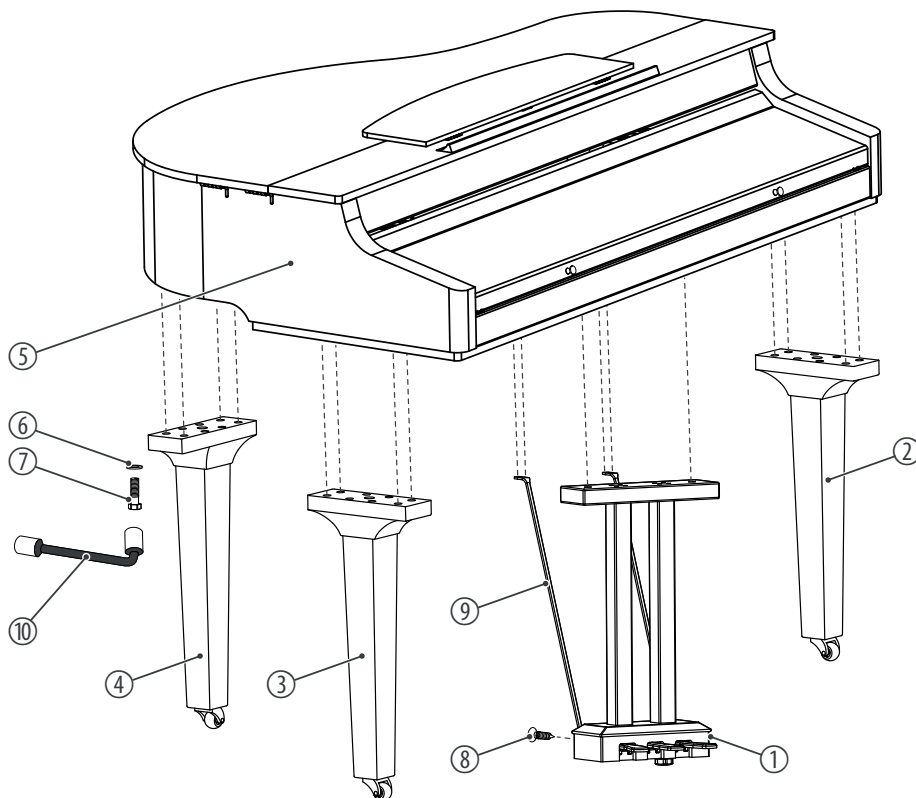
1	Pedal unit (pre-assembled)
2	Right support leg
3	Left support leg
4	Rear support leg
5	Keydesk
6	14 × washers
7	14 × hexagon bolts M12 × 45
8	8 × screws 3 × 15
9	2 × supports for pedal unit
10	Hexagon screwdriver
	Not illustrated:
	Power cord
	Pedal cable

Assembly instructions

Proceed according to the illustrations and only use the supplied screws. Using other screws could damage the digital piano housing or result in a reduced stability of the digital piano.
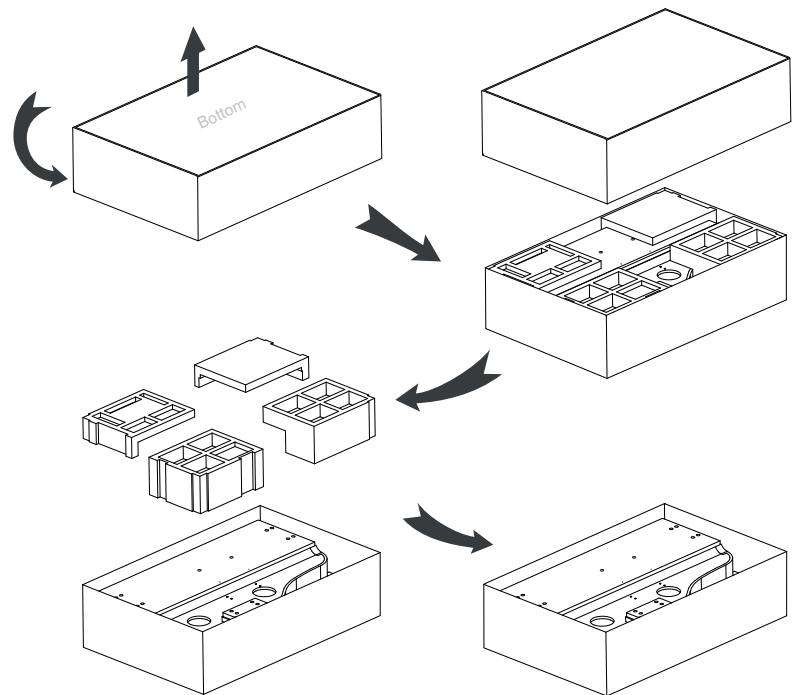
1. ▶ Place the box upside down on a suitable surface, open the box and remove the foam protection.
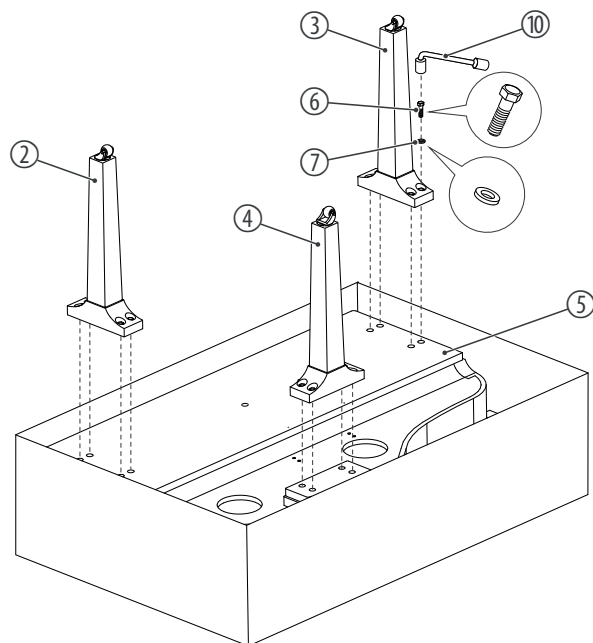
2. ▶ One after the other, screw the three supports with each four of the supplied washers (7) and hexagonal screws (6) using the hexagonal screwdriver (10) as shown on the underside of the keydesk (5).
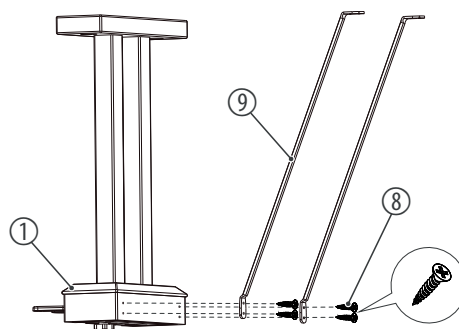
3. ▶ Attach the supports for the pedal unit (9) to the pedal unit (1) using two of the supplied screws (8) each as shown.
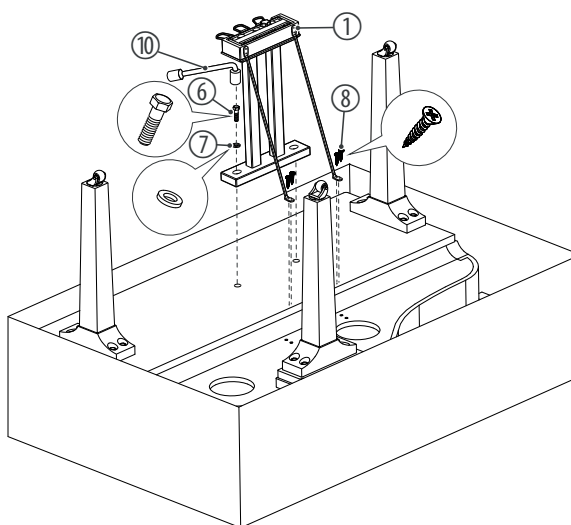
4. ▶ Carefully turn the pedal unit (1) over and fasten it to the keydesk with two of the supplied washers (7) and hexagonal screws (6) using the hexagonal screw-driver (10) and four of the supplied screws (8) as shown.
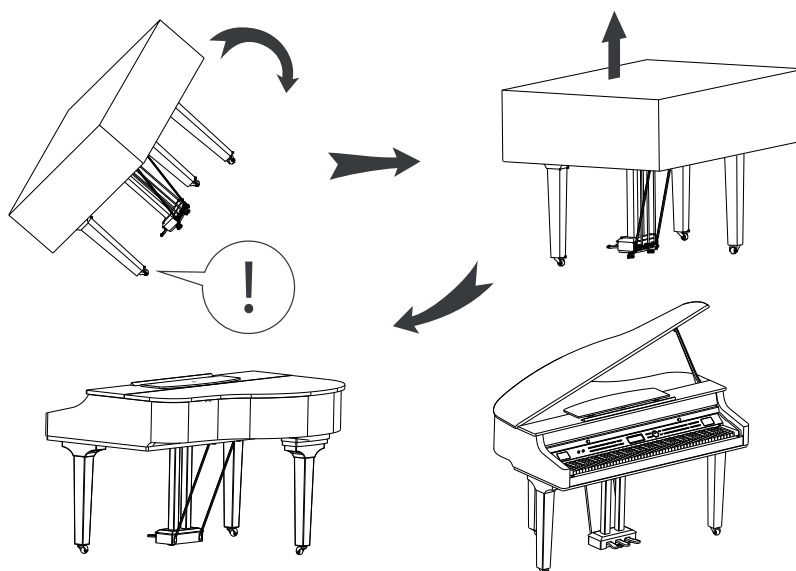
5. ▶ Carefully turn the digital piano onto the support legs as shown and remove the cardboard. Make sure that neither the support legs nor the pedal unit get damaged.

⚠️ **CAUTION!**
Risk of injury due to heavy weight!
The device is heavy. Lifting and dropping it during transport and installation can cause injuries.

Make sure at least two people work together when transporting and installing the device.

Mains connection
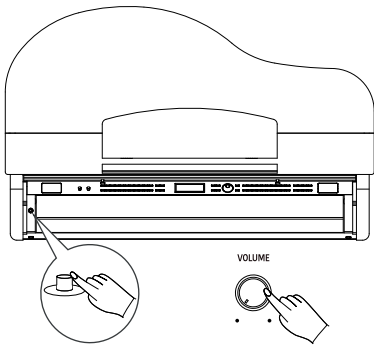
The instrument is connected using the power cord supplied. Make sure that the digital piano is turned off before you connect it to the power supply or disconnect it.

1. ▸ Turn the volume control anti-clockwise to minimum.

2. ▸ Connect the power cord to the input socket on the underside of the digital piano.

3. ▸ Insert the plug into a properly earthed mains wall outlet.

4. ▸ Now you can turn on the digital piano.

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

5   Connections and controls

Left control panel
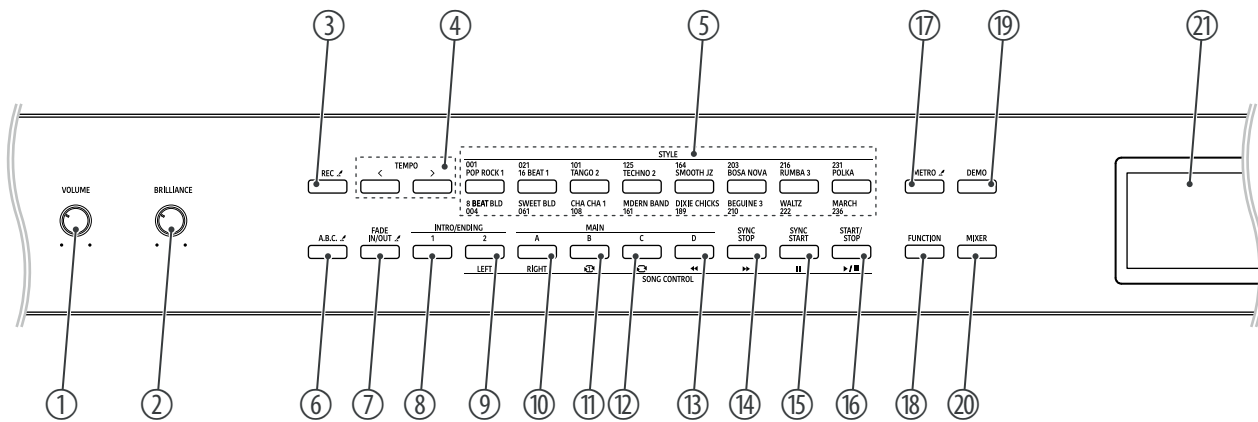
1	*[VOLUME]*	Rotary control for adjusting the overall volume
2	*[BRILLANCE]*	Rotary control for adjusting the tone colour
3	*[REC]*	Button for switching to recording mode
		If a USB flash drive (USB stick) is inserted: press the button for an audio recording.
		If no USB flash drive (USB stick) is inserted: press the button to start a MIDI recording.
		Hold down the button to enter the recording settings menu.
4	*[TEMPO]/[<]/[>]*	Buttons for adjusting the tempo
5	*[STYLE]*	Direct selection buttons for styles selection. Pressing the button again selects the second stored style.
6	*[A.B.C.]*	Button for activating/deactivating the A.B.C. function
		Hold down the button to enter the chord settings menu.
7	*[FADE IN/OUT]*	Button for switching between fade options
		Hold down the button to enter the fade settings menu.
8	*[INTRO ENDING 1]*	Button for playing intro 1 or ending 1
9	*[INTRO ENDING 2]*	Style mode: Button for playing intro 2 or ending 2
		Song mode: Button for muting or activating the part for the left hand
10	*[MAIN A]*	Style mode: Button for playing main pattern A
		Song mode: Button for muting or activating the part for the right hand
11	*[MAIN B]*	Style mode: Button for playing main pattern B
		Song mode: Button for activating the loop function. The currently playing song is repeated continuously.
12	*[MAIN C]*	Style mode: Button for playing main pattern C
		Song mode: Button for activating the loop function. All songs are repeated continuously.
13	*[MAIN D]*	Style mode: Button for playing main pattern D
		Song mode: Button for starting playback
		Bluetooth® mode: Button for playing the next song

14	*[SYNC/STOP]*	Style mode: Button for activating/deactivating the sync-stop function
	Song mode: Button for playing the next song during playback
	Bluetooth® mode: Button for playing the next Bluetooth® song
15	*[SYNC/STOP]*	Style mode: Button for activating/deactivating the sync-start function
	Song mode: Button for pausing the currently playing song during playback
	Bluetooth® mode: Button for pausing the currently playing Bluetooth® song during playback
16	*[START/STOP]*	Button for starting/stopping a song / Bluetooth® song or style
17	*[METRO]*	Button for activating/deactivating the metronome
	Hold down the button to enter the metronome settings menu.
18	*[FUNCTION]*	Button for calling up the functions menu
19	*[DEMO]*	Button for calling up demo mode
20	*[MIXER]*	Button for calling up the mixer menu
21	LCD

Right control panel
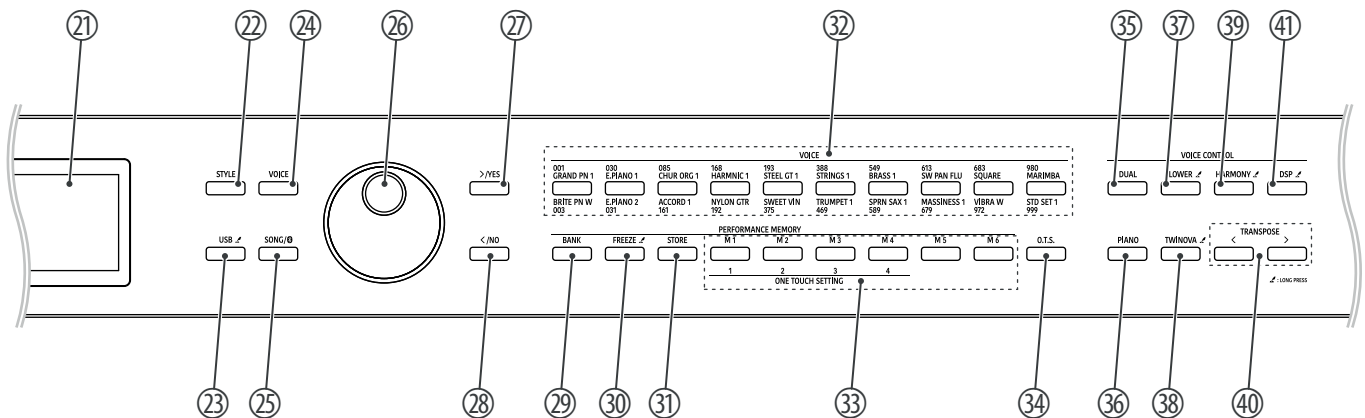
21	LCD
22	*[STYLE]*	Button for calling up style mode
23	*[USB]*	Button for activating/deactivating USB mode
	Hold down the button to enter the USB settings menu.
24	*[VOICE]*	Button for calling up sound mode
25	*[SONG]/*®	Button for calling up song mode
	With Bluetooth® activated, press the button again to enter Bluetooth® mode. To exit Bluetooth® mode and switch to song mode, press the button again.
26	Rotary control for setting the parameters
27	*[>/YES]*	Button for increasing values
	Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.
28	*[</NO]*	Button for decreasing values
	Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

29	*[BANK]* | Button for selecting a memory location
30	*[FREEZE]*✎ | Button for activating/deactivating freeze mode Hold down the button to enter the freeze settings menu.
31	*[STORE]* | Button for saving the current setting Simultaneously press *[STORE]* and one of the buttons *[M1]…[M6]* to select the storage location for the settings.
32	*[VOICE]* | Direct selection buttons for selecting sounds. Pressing the *[VOICE]* button again selects the second stored sound.
33	*[M1]…[M6]* | Memory mode: Button for calling up the saved settings O.T.S. mode: Button for calling up sounds that match the current style
34	*[O.T.S.]* | Button for activating/deactivating O.T.S. mode (one touch setting)
35	*[DUAL]* | Button for activating/deactivating dual mode
36	*[PIANO]* | Button for calling up piano mode
37	*[LOWER]*✎ | Button for activating/deactivating split mode Hold down the button to enter the split mode settings menu.
38	*[TWINOVA]*✎ | Button for activating/deactivating TWINOVA mode Hold down the button to enter the TWINOVA settings menu.
39	*[HARMONY]*✎ | Button for activating/deactivating harmony mode Hold down the button to enter the harmony settings menu.
40	*[TRANSPOSE]/[<]/[>]* | Buttons for transposing the pitch of the entire keyboard
41	*[DSP]*✎ | Button for activating/deactivating DSP mode Hold down the button to enter the DSP settings menu.

Display
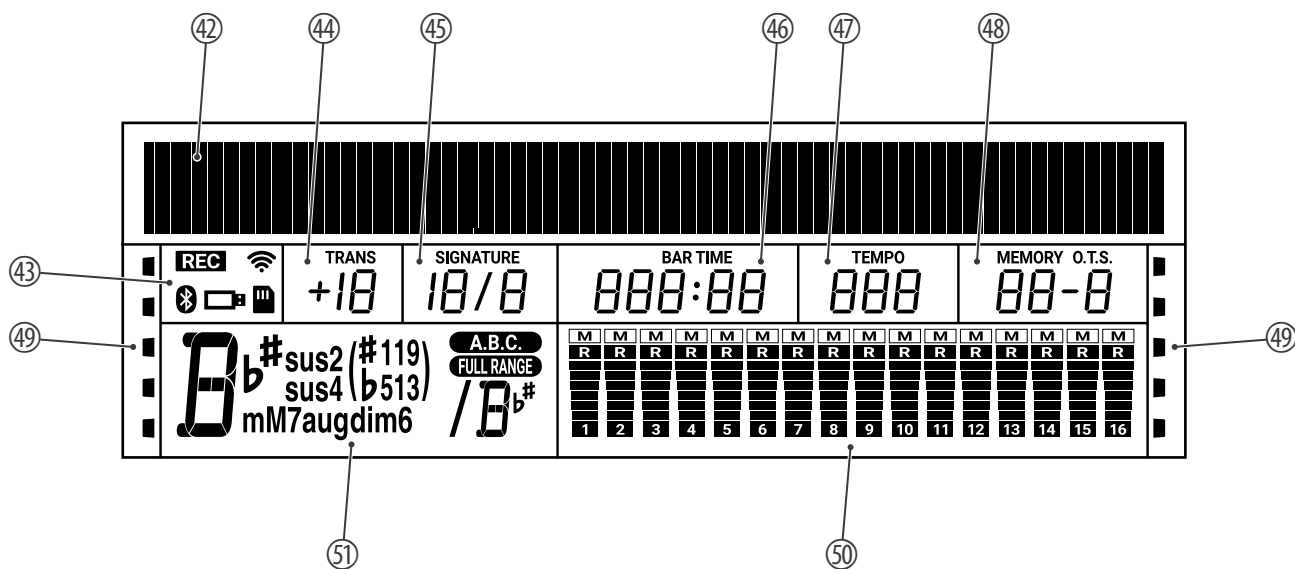
42	LCD matrix (192 × 16 dot)
43	Displays for the recording function, Bluetooth® connection and USB flash drive (USB stick)
44	*[TRANS]*	Display for the transpose function
45	*[SIGNATURE]*	Beat display
46	*[BAR TIME]*	Time signature display
47	*[TEMPO]*	Tempo display
48	*[MEMORY O.T.S.]*	Display for storage location and O.T.S.
49	Function display
50	Track display. During playback, the indicator shows the volume of the MIDI channel.
51	Chord display

Connections

All connections for external devices are located on the connector panel on the underside of the keydesk.
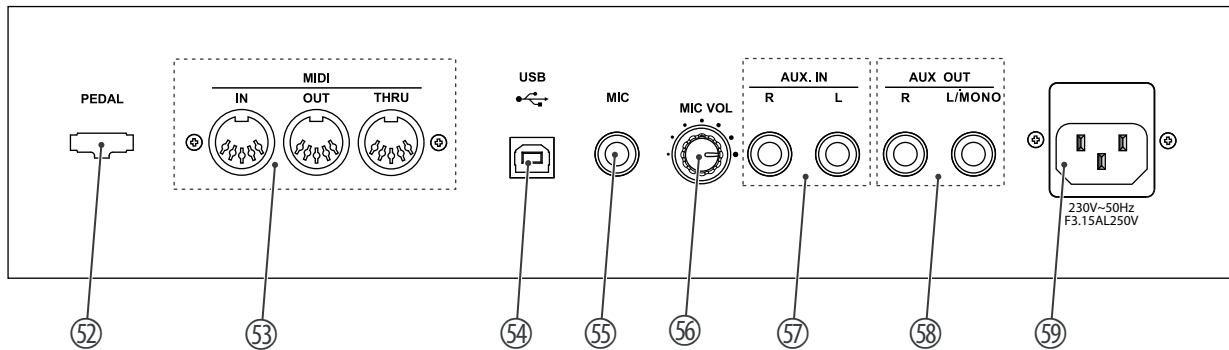
52	*[PEDAL]*	Input socket for the cable from the pedal unit
53	*[MIDI IN/OUT/THRU]*	MIDI input, output and THRU socket for connecting the digital piano to other MIDI devices.
54	*[USB]*	USB-to-host interface for connecting the digital piano to a computer (MIDI data)
55	*[MIC]*	Input socket for a microphone, designed as 6.35-mm jack socket The signal of the connected microphone is reproduced via the built-in loudspeakers of the digital piano.
56	*[MIC VOL]*	Rotary control for adjusting the input volume of the connected microphone
57	*[AUX. IN R/L]*	Input sockets for connecting external audio devices such as an MP3 player, designed as 6.35-mm jack sockets, unbalanced
58	*[AUX. OUT R / L/MONO]*	Output sockets for connecting powered speakers, a stereo system or other amplifiers, designed as 6.35-mm jack sockets, unbalanced Connect both channels (R and L / Mono) for stereo transmission. Only connect channel (L) for mono transmission.
59	Input socket for the power cable, designed as rubber panel plug with fuse holder

Pedal box

SOFT   SOSTENUTO   SUSTAIN
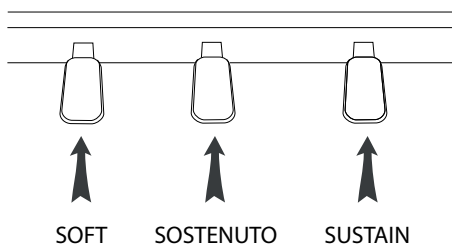
Soft pedal | Using the soft pedal makes the digital piano sound smoother and the overall volume is attenuated.

Sostenuto pedal | When the Sostenuto pedal is pressed, 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 and lowering of the dampers in an analogue piano.

6   Connection options

Headphones
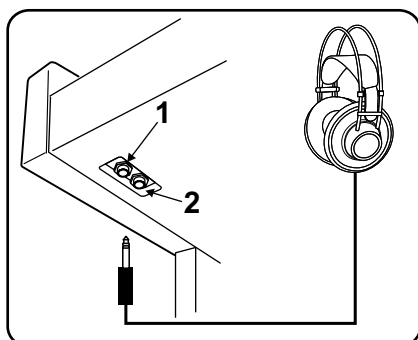
To the left beneath the keyboard you find the headphones outlets 1 and 2.

Both connection sockets can be used at a time. Connecting headphones (not supplied) to the outputs mutes the speakers.

Never operate the headphones at high volume as this can permanently damage your hearing.

USB port
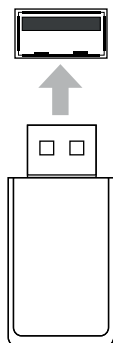
You can save digital piano data on a USB flash drive (USB stick) or play saved songs on the digital piano.

Note that the USB flash drive (USB stick) must not be removed from the digital piano while data is being saved or read, otherwise the USB flash drive (USB stick) may be damaged.

External audio devices via AUX OUT
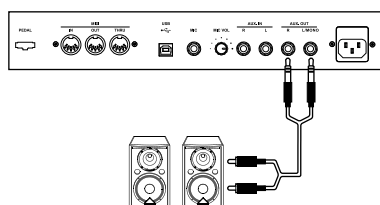
Use the *[AUX OUT]* sockets to connect the digital piano to an amplifier, stereo device, mixing console or recording device. Connect both channels (R and L / Mono) for stereo transmission. Only connect one channel (L) for mono transmission. Plug the other end of the cable into the input of the appropriate 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
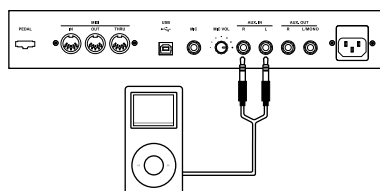
Use the *[AUX IN]* sockets to connect a, for example, a CD or MP3 player to the digital piano. So you can playback music through the internal speakers of the digital piano and simultaneously play along to it. Connect both channels to the *[AUX IN]* sockets on the rear panel of the digital piano, and the other end of the cable to the output of the respective audio device.

Computer via USB-MIDI
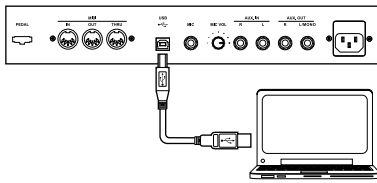
You can connect the digital piano to a PC for data exchange via the USB-to-host interface.

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

MIDI gear via MIDI IN / MIDI OUT / MIDI THRU
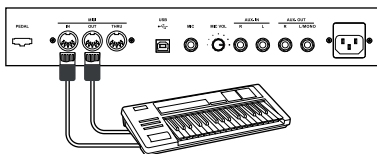
Via the MIDI interface, you can send MIDI data to an external MIDI device or receive data.

Microphone
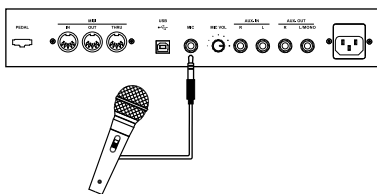
Use the connection socket *[MIC]* to connect a microphone to the digital piano.

> ⓘ *Since the input does not provide phantom power for condenser microphones, the connection is only suitable for dynamic microphones.*

> **! NOTICE!**
> To prevent damage to the speakers, turn the volume down to 'Minimum' before you connect a microphone to the digital piano. Disconnect the microphone from the digital piano when it is not in use.

Pedal unit
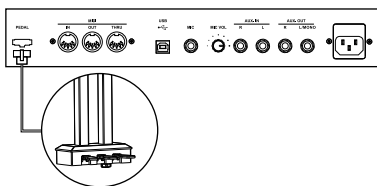
Use the connection socket *[PEDAL]* to connect a pedal box to the digital piano.

7 Operating

7.1 Turning the digital piano on and off
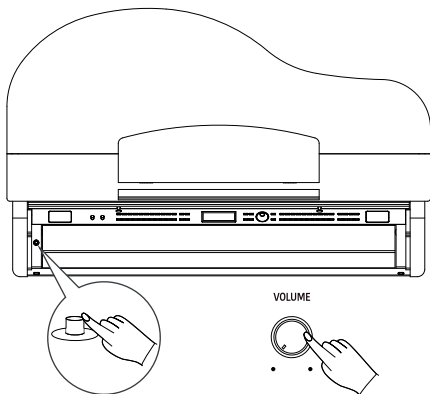
1. ▶ Press *[POWER]* to the left of the digital piano keyboard.

   ⇨ The LED in the *[POWER]* button lights up and the display shows that the digital piano is ready for operation.

2. ▶ Press and hold *[POWER]* to turn the digital piano off.

   ⇨ The LED in the *[POWER]* button goes out.

> ⓘ *To prevent damage to the speakers, turn the volume down to "Minimum" before you switch the digital piano on.*
>
> *If the display stays blank when you turn the digital piano on, check the power supply.*

7.2 Adjusting the volume
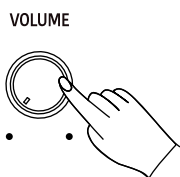
Use the *[VOLUME]* rotary control to set a pleasant volume.

1. ▶ Turn the *[VOLUME]* rotary control clockwise to increase the volume.

2. ▶ Turn the *[VOLUME]* rotary control anti-clockwise to decrease the volume.

7.3 Setting the tone colour

Use the *[BRILLIANCE]* rotary control to set the tone colour of the digital piano.

1. ▶ Turn the *[BRILLIANCE]* rotary control clockwise to adjust the treble for the entire keyboard.

2. ▶ Turn the *[BRILLIANCE]* rotary control anti-clockwise to adjust the bass for the entire keyboard.

7.4 Function menu
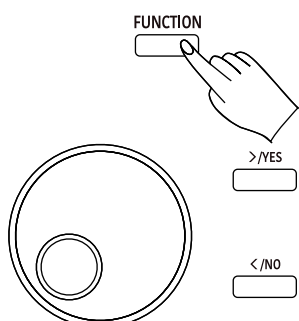
In the function menu you can adjust parameters and their settings according to your needs.

FUNCTION

> /YES

< /NO

1. ▶ Press *[FUNCTION]* to call up the function menu.

2. ▶ Use the rotary control to select a desired parameter.

   ⇨ The current parameter appears on the display.

3. ▶ Press *[>/YES]*/*[</NO]* to change the value of the current parameter.

4. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

The following table shows the setting options in the functions menu.

No.	Parameter	Display	Settings	Standard setting
1	Tune	TUNE	−50…+50	0
2	Voice R1 Octave	OCTAVE R1	−2…+2	0
3	Voice R2 Octave	OCTAVE R2	−2…+2	0
4	Voice L Octave	OCTAVE L	−2…+2	0
5	Touch Response	TOUCH	Off, Soft2, Soft1, Medium1, Medium2, Hard1, Hard2	Medium1
6	Chord Type	CHORD	Fingered, Multi, Bass Invert	Fingered
7	Lower Split Point	LOWER SPLIT	A0…C8	F#3
8	Twinova Split Point	TWINOVA SPLIT	A0…C8	E3
9	Twinova Octave	TWINOVA OCTAVE	−2…+2	0
10	Harmony Type	HARMONY	Duet, Trio, Octave, 1+5, Country Duet, Block, 4 Close 1, 4 Close 2, 4 Open	Duet
11	EQ	EQ	Piano, Pop, Classical, Rock, Jazz, R&B	Piano
12	String Resonance	STRING RES.	0…32	8
13	Soft Pedal	SOFT PEDAL	Soft, Play, Memory	Soft
14	Freeze	FREEZE	Style, Voice, Song	Style
15	Metronome Time Signature	METRO	2/2…12/8	4/4
16	Fade In/Out Time	FADE TIME	1…20	10
17	MIDI Out Channel	MIDI OUT CH	1…16	1
18	Song Looping	SONG LOOP	Single, All, Off	All
19	Auto Power Off	POWER OFF	Never, 30 Min., 60 Min.	30 Min.
20	Bluetooth Auto Link	BLUETOOTH AUTO	On, Off	On
21	Restore Factory Setting	SYSTEM RESET		

> ⓘ *If no entry is made within 10 seconds, the function menu is automatically closed.*

7.4.1 Tuning

Func TUNE 00

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1
A.B.C.

With this function you can fine tune the pitch of the entire keyboard.

1. ▸ Press *[FUNCTION]* to call up the function menu.

2. ▸ Use the rotary control to select the *'TUNE'* menu to activate the tuning function.

3. ▸ Press *[>/YES]/[</NO]* to adjust the tuning in a range of a semitone (= 100 cents).

4. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

7.4.2 Octaving

Func OCTAVE R1 00

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1
A.B.C.

This function allows you to octave a key range.

1. ▸ Press *[FUNCTION]* to call up the function menu.

2. ▸ Use the rotary control to select the *'OCTAVE R1'*, *'OCTAVE R2'* or *'OCTAVE L'* menu to activate the octave function.

3. ▸ Press *[>/YES]/[</NO]* to octave the tuning in a range between 2…+2.

4. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

7.4.3 Touch velocity

Func TOUCH Medium1

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1
A.B.C.

With this function you can adjust the touch velocity of the keyboard in seven different levels.

1. ▸ Press *[FUNCTION]* to call up the function menu.

2. ▸ Use the rotary control to select the *'TOUCH'* menu to activate the touch velocity function.

3. ▸ Press *[>/YES]/[</NO]* to set the touch velocity.

The following table shows the possible settings:

Off	Soft2	Soft1	Medium 1	Medium 2	Hard1	Hard2

4. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

> ⓘ *The settings are retained even when the digital piano is switched off.*

7.4.4 Split point setting

This feature allows you to select a point that splits the entire keyboard into two sections and to assign different voices to those sections. The preset split point is on piano key *[F#3]*.

1. ▸ Press *[FUNCTION]* to call up the function menu.

Func LOWER SPLIT   F#3

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

2. ▸ Use the rotary control to select the *'LOWER SPLIT'* menu to activate the split point function.

3. ▸ Use *[>/YES]/[</NO]* to select the required split point.

The following table shows the possible settings:

4. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

> *The settings are retained even when the digital piano is switched off.*

7.4.5 TWINOVA

In TWINOVA mode, the keyboard is divided into two areas with the same sound and the same pitch to enable 4-handed playing, for example in class. The preset split point is on *[E3]*.

1. ▸ Press *[TWINOVA]✐* to activate TWINOVA mode.

TWINOVA ✐

Twinova

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

Split point setting

Func TWINOVA SPLIT   E3

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	078	01-1

2. ▸ Press and hold *[TWINOVA]✐* to open the TWINOVA settings menu.

⇨ The display shows *'TWINOVA SPLIT'* and the current split point.

3. ▸ Use the rotary control or one of the piano keys to select a desired split point.

Specifying octave

Func TWINOVA OCTAVE   0

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	078	01-1

4. ▸ Press and hold *[TWINOVA]✐* to open the TWINOVA settings menu.

⇨ The display shows *'TWINOVA OCTAVE'* and the current octaving.

5. ▸ Press *[>/YES]/[</NO]* to octave the tuning in a range between 2…+2.

> *Layer and Split mode are not available in TWINOVA mode.*

Pedal function in TWINOVA mode

Left pedal (soft)	Notes played with the left hand have a longer sustain.
Middle pedal (Sostenuto)	All notes have a longer sustain.
Right pedal (Sustain)	Notes played with the right hand have a longer sustain.

7.4.6 Harmony mode

HARMONY ✎

Func HARMONY   Duet

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

A.B.C.
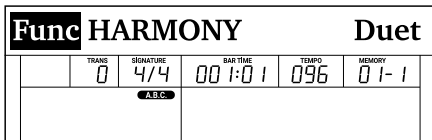
In harmony mode, additional intervals are added to the notes played by the right hand.

1. ▶ Press *[HARMONY]* to activate harmony mode.

   ⇨ The LED in the *[HARMONY]* button lights up.

2. ▶ Press and hold *[HARMONY]* to open the harmony settings menu.

3. ▶ Use *[>/YES]/[</NO]* to select the required harmony type.

4. ▶ Press *[A.B.C.]✎* to activate the auto accompaniment.

5. ▶ Play a chord with your left hand. As soon as you play a note with your right hand, the left hand harmony is automatically added.

6. ▶ Press *[HARMONY]* again to deactivate harmony mode.

> ℹ️ *The harmony types '1', '5' and 'Octave' are always available. Other harmony types are not available until the auto accompaniment is activated and you play a chord with your left hand.*

7.4.7 Equalizer

Func EQ   Piano

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1
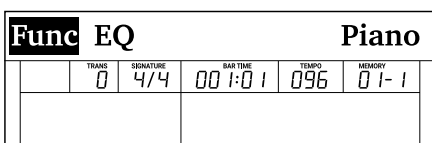
The built-in equalizer provides a total of six presets, which can be customised.

1. ▶ Press *[FUNCTION]* to call up the function menu.

2. ▶ Use the rotary control to select the *'EQ'* menu to activate the equalizer function.

3. ▶ Press *[>/YES]/[</NO]* to select the desired setting.

   The following table shows the possible settings:

Piano	Pop	Classical	Rock	Jazz	R&B

4. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

> ℹ️ *The settings are retained even when the digital piano is switched off.*

7.4.8 String resonance

Func STRING RES. 8

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

This function simulates the resonance effects taking place in an acoustic piano.

1. ▸ Press *[FUNCTION]* to call up the function menu.

2. ▸ Use the rotary control to select the *'STRING RES.'* menu to activate the string resonance.

3. ▸ Press *[>/YES]/[</NO]* to adjust the string resonance in a range of 0…32.

4. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

> ⓘ   *The settings are retained even when the digital piano is switched off.*

7.4.9 Soft pedal

Func SOFT PEDAL SOFT

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

You can assign various functions to the soft pedal.

1. ▸ Press *[FUNCTION]* to call up the function menu.

2. ▸ Use the rotary control to select the *'SOFT PEDAL'* menu to open the menu for the soft pedal settings.

3. ▸ Press *[>/YES]/[</NO]* to select the soft pedal settings.

The following table shows the possible settings:

Function	Description
Soft	Makes the notes sound softer
Play	Starts or stops the playback of a style.
Memory	Toggles between the memory locations.

4. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

7.4.10 Freeze

```
Func FREEZE              Style
      TRANS  SIGNATURE   BAR TIME   TEMPO   MEMORY
        0     4/4       001:01     096    01-1
```

This function does not change the settings of styles, sounds or songs, even if another memory function is called up.

1. ▶ Press *[FUNCTION]* to call up the function menu.

2. ▶ Use the rotary control to select the *'FREEZE'* menu to activate the freeze function.

3. ▶ Press *[>/YES]/[</NO]* to select the freeze settings.

   The following table shows the possible settings:

Function	Description
Style	The style settings are not changed when the memory is called up.
Voice	The sound settings are not changed when the memory is called up.
Song	The song settings are not changed when the memory is called up.

4. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

5. ▶ Press *[FREEZE]* ♪ to activate the freeze function.

   ⇨ The LED in the *[FREEZE]* ♪ button lights up. The settings you made for styles, sounds and songs are not changed.

6. ▶ Press *[FREEZE]* ♪ again to deactivate the freeze function.

7.4.11 Metronome
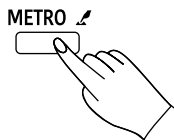
METRO ♪

```
Func METRO                4/4
      TRANS  SIGNATURE   BAR TIME   TEMPO   MEMORY
        0     4/4       001:01     096    01-1
```

1. ▶ Press *[METRO]* ♪ to activate the metronome.

   ⇨ The display shows *'METRO'* and flashes in time.

2. ▶ Press and hold *[METRO]* ♪ to enter the metronome settings menu.

3. ▶ Use *[>/YES]/[</NO]* to select the required bar.

4. ▶ Press *[METRO]* ♪ again to deactivate the metronome.

> – *If you turn on the metronome while a style is playing, it will start with the next beat and the tempo will adapt to the current style.*
> – *The metronome can be used during a MIDI recording. The sound of the metronome is not recorded.*
> – *The metronome can be used during an audio recording. The sound of the metronome is also recorded.*

7.4.12   Fade time

Func FADE TIME   10

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

This function allows you to set the time for the slow fade in and slow fade out of the sound.

1. ▶ Press *[FUNCTION]* to call up the function menu.

2. ▶ Use the rotary control to select the *'FADE TIME'* menu to open the menu for the fade time settings.

3. ▶ Press *[>/YES]/[</NO]* to set the fade time in a range between 1…20 seconds.

4. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

7.4.13   MIDI out channel

Func MIDI OUT CH   01

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

With this function you can set the MIDI out channel for the sound R1.

1. ▶ Press *[FUNCTION]* to call up the function menu.

2. ▶ Use the rotary control to select the *'MIDI OUT CH'* menu to open the menu for the MIDI out settings.

3. ▶ Press *[>/YES]/[</NO]* to set a MIDI out channel in a range between 1…16.

4. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

ℹ️ *The settings are retained even when the digital piano is switched off.*

7.4.14   Loop function

Func SONG LOOP   All

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

This function enables the repeat of a playback.

1. ▶ Press *[FUNCTION]* to call up the function menu.

2. ▶ Use the rotary control to select the *'SONG LOOP'* menu to open the menu for the loop settings.

3. ▶ Press *[>/YES]/[</NO]* to select the loop settings.

The following table shows the possible settings:

Function	Description
Single	A single song is repeated in an endless loop.
All	All songs are repeated in an endless loop.
Off	The loop function is deactivated.

4. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

ℹ️ *The settings are retained even when the digital piano is switched off.*

7.4.15 Automatic shutoff

```
Func  POWER OFF      30 min
        TRANS   SIGNATURE    BAR TIME    TEMPO    MEMORY
          0      4/4      001:01    096    01-1
```

If the digital piano is not used for 30 minutes, it switches off automatically in order to avoid unnecessary power consumption. Automatic shutoff is enabled by default.

1. ▸ Press *[FUNCTION]* to call up the function menu.

2. ▸ Use the rotary control to select the menu item *'POWER OFF'* .

3. ▸ Use *[>/YES]/[</NO]* to set a desired time for the digital piano to switch off automatically (30 minutes or 60 minutes) or deactivate the automatic switch-off.

> *The settings are retained even when the digital piano is switched off.*

7.4.16 Bluetooth®

```
Func  BLUETOOTH AUTO   On
        TRANS   SIGNATURE    BAR TIME    TEMPO    MEMORY
          0      4/4      001:01    096    01-1
```

Use this function to set whether the Bluetooth® connection is established automatically. Once a Bluetooth®-enabled device is successfully paired, the piano can automatically establish the connection as soon as the device comes within range.

1. ▸ Press *[FUNCTION]* to call up the function menu.

2. ▸ Use the rotary control to select the *'BLUETOOTH AUTO'* menu to open the menu for the Bluetooth® settings.

3. ▸ Press *[>/YES]/[</NO]* to activate (*'On'*) or deactivate (*'Off'*) the automatic Bluetooth® connection.

4. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

5. ▸ Activate the Bluetooth® connection on your device and pair it with the digital piano *'PIANO-AUDIO'* .

> *The settings are retained even when the digital piano is switched off.*

7.4.17   Reset to factory defaults

With this function, you can reset the digital piano to factory default settings.

Func SYSTEM RESET

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

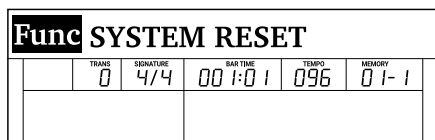1. ▶ Press *[FUNCTION]* to call up the function menu.

2. ▶ Use the rotary control to select the *'SYSTEM RESET'* menu to open the menu for resetting to factory default settings.

3. ▶ Press *[>/YES]*.

   ⇨ The digital piano shows *'Reset all settings?'*.

4. ▶ Press *[>/YES]* to confirm the factory reset.

   ⇨ All settings are reset.

5. ▶ The display shows *'Delete all user songs?'*. Press *[</YES]* to confirm the deletion of user songs.

The process may take some time. Do not switch off the digital piano during the factory reset.

7.5 DSP effects
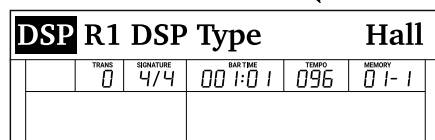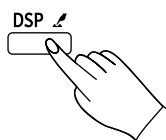
This function allows you to select various effects (see table) and adjust their intensity.

On delivery, the DSP effects are activated by default.

DSP ✎

1. ▶ Press and hold *[DSP]* to open the menu for the DSP effects settings.

   ⇨ The display shows the current parameters.

DSP R1 DSP Type   Hall

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

2. ▶ Use the rotary control to select a desired parameter.

3. ▶ Use *[>/YES]*/*[</NO]* to select the required effect.

4. ▶ Press *[DSP]* to deactivate the DSP effects.

The following table shows the possible settings:

Parameter	Display	Settings
Voice R1 DSP Effect Type	R1 DSP TYPE xxx	Hall, Room, Crs.Dely, Tp.Delay, Tp.Echo, Chorus, Flanger, Phaser, Overdriv, Amp, Metl.Dst, Hard.Dst, Tremolo, Auto.Wah, Tp.Wah, None(Off)
Voice R1 DSP Effect Level	R1 DSP LEVEL xxx	0…32
Voice R1 Global Reverb Level Send	R1 G.REV SEND xxx	0…32
Voice R1 Global Chorus Level Send	R1 G.CHR SEND xxx	0…32
Voice R2 DSP Effect Type	R2 DSP TYPE xxx	Hall, Room, Crs.Dely, Tp.Delay, Tp.Echo, Chorus, Flanger, Phaser, Overdriv, Amp, Metl.Dst, Hard.Dst, Tremolo, Auto.Wah, Tp.Wah, None(Off)
Voice R2 DSP Effect Level	R2 DSP LEVEL xxx	0…32

| Parameter	Display	Settings
Voice R2 Global Reverb Level Send	R2 G.REV SEND xxx	0…32
Voice R2 Global Chorus Level Send	R2 G.CHR SEND xxx	0…32
Voice L DSP Effect Type	L DSP TYPE xxx	Hall, Room, Crs.Dely, Tp.Delay, Tp.Echo, Chorus, Flanger, Phaser, Overdriv, Amp, Metl.Dst, Hard.Dst, Tremolo, Auto.Wah, Tp.Wah, None(Off)
Voice L DSP Effect Level	L DSP LEVEL xxx	0…32
Voice L Global Reverb Level Send	L G.REV SEND xxx	0…32
Voice L Global Chorus Level Send	L G.CHR SEND xxx	0…32
Microphone DSP Effect Type	MIC DSP TYPE xxx	Echo1, Echo2, Echo3, Phaser1, Phaser2, Enhanc, Wah, Overdv1, Overdv2, Lo-Fi, Comp, Gate, None(Off)
Microphone DSP Effect Level	MIC DSP LEVEL xxx	0…32
Microphone Global Reverb Level Send	MIC G.REV SEND xxx	0…32
Microphone Global Chorus Level Send	MIC G.CHR SEND xxx	0…32
Global Reverb Type	G.REV TYPE xxx	Hall1, Hall2, Hall3, Hall4, Pno.Hall, Room1, Room2, Room3, Church, Garage, Std.Hall
Global Reverb Level	G.REV LEVEL xxx	0…32
Global Chorus Type	G.CHR TYPE xxx	Chorus1, Chorus2, Chorus3, Chorus4, GM.Chr1, GM.Chr2, Celeste1, Celeste2, Sympho1, Sympho2, Doubler, Std.Chr
Global Chorus Level	G.CHR LEVEL xxx	0…32

If you turn on an effect while a demo piece or style is playing, it may take a short moment for the effect to set in.

7.6 Transposing
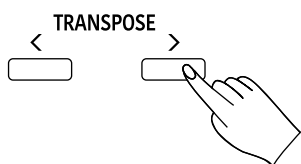
With this function you can adjust the pitch of the keyboard in semitone steps (12 semitone steps max) up or down.

1. ▸ Press *[TRANSPOSE <]* or *[TRANSPOSE >]* to activate transpose mode.

   ⇨ The display shows the current value.

2. ▸ Use the rotary control or *[>/YES]/[</NO]* to transpose the keyboard pitch in cent increments by up to 12 semitones up or down.

3. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

7.7 Piano mode
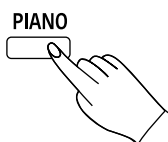
PIANO

Concert Grand

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

If this function is activated, the keyboard mechanics of a real piano / grand piano are simulated. This mechanical noise can also be heard on a piano.

1. ▶ Press *[PIANO]* to activate piano mode.

   ⇨ The display shows *'Concert Grand'*.

2. ▶ Press *[PIANO]* again to deactivate piano mode.

> ⓘ *Layer and Split mode are not available in piano mode.*
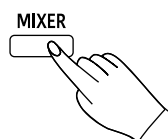
7.8 Mixer

MIXER

Mixer MUSIC VOL: 20

	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

This menu is used to adjust the volume of the individual tracks.

1. ▶ Press *[MIXER]* to open the menu for the mixer settings.

   ⇨ The display shows the current parameters.

2. ▶ Use the rotary control to select a desired parameter.

3. ▶ Use *[>/YES]*/*[</NO]* to adjust the required volume between 0 … 32.

The following table shows the possible settings:

Parameter	Display	Settings
Music volume	MUSIC VOL: xxx	0…32
Voice R1 volume	R1 VOL: xxx	0…32
Voice R2 Volume	R2 VOL: xxx	0…32
Voice L volume	L VOL: xxx	0…32
Metronome volume	METRO VOL: xxx	0…32
Mic volume	MIC VOL: xxx	0…32
Rhythm sub. volume	RHYTHM_S VOL: xxx	0…32
Rhythm master volume	RHYTHM_M VOL: xxx	0…32
Bass volume	BASS VOL: xxx	0…32
Chord 1 volume	CHORD1 VOL: xxx	0…32
Chord 2 volume	CHORD2 VOL: xxx	0…32
Chord 3 volume	CHORD3 VOL: xxx	0…32
Phrase 1 volume	PHRASE1 VOL: xxx	0…32
Phrase 2 volume	PHRASE2 VOL: xxx	0…32

7.9 Selecting sounds
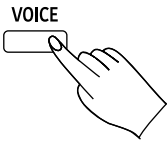
VOICE

Voice R1 001   Grand Piano 1

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

The digital piano offers a total of 1200 sounds in twelve categories. The sound list is available for download on the product page of our website *www.thomann.de*.

1. ▸ Press *[VOICE]* to activate sound mode.

    ⇨ The display shows *'R1'* and the current sound.

2. ▸ Use the rotary control or *[>/YES]/[</NO]* to select the required sound.

Alternatively, you can use one of the direct sound selection buttons to select a preset sound.

3. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

4. ▸ Press *[VOICE]* again to deactivate sound mode.

7.10 Layer mode
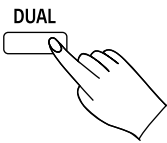
DUAL

Voice R1 R2 034   Modern EP 2

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

With the layer mode you can set the "layering" of sounds. The sound list is available for download on the product page of our website *www.thomann.de*.

1. ▸ Press *[DUAL]* to activate layer mode.

    ⇨ The display shows *'R2'* and the current sound of the second layer (right hand).

2. ▸ Use the rotary control or *[>/YES]/[</NO]* to select the required sound for the second layer.

Alternatively, you can use one of the direct sound selection buttons to select a preset sound.

3. ▸ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

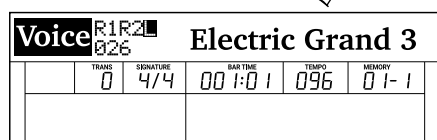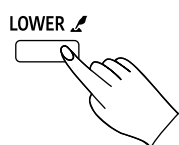**4.** ▸ Press *[DUAL]* again to deactivate sound mode.

7.11 Split mode
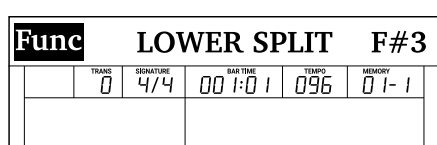
Split mode lets you assign a sound to each hand.

LOWER ⬏

1. ▶ Press *[LOWER]* to activate split mode.

⇨ The display shows *'L'* and the current sound of the "lower voice" (left hand).

Voice R1R2⬛
026   Electric Grand 3

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

2. ▶ Use the rotary control or *[>/YES]*/*[</NO]* to select the required sound for the "Lower Voice". The sound list is available for download on the product page of our website *www.thomann.de*.

Alternatively, you can use one of the direct sound selection buttons to select a preset sound.

Split point setting

Func   LOWER SPLIT   F#3

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

↓

3. ▶ This feature allows you to select a point that splits the entire keyboard into two sections and to assign different sounds to those sections. The preset split point is on piano key [F#3].

Press and hold *[LOWER]* and press the piano key that you want as the split point.

Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

Switching sounds

4. ▶ The *'R1'* sound cannot be switched off. The *'R2'* and *'L'* sounds can be switched on and off as desired. Press *[VOICE]* to switch between the selected sounds.

5. ▶ Press *[LOWER]* again to deactivate split mode.

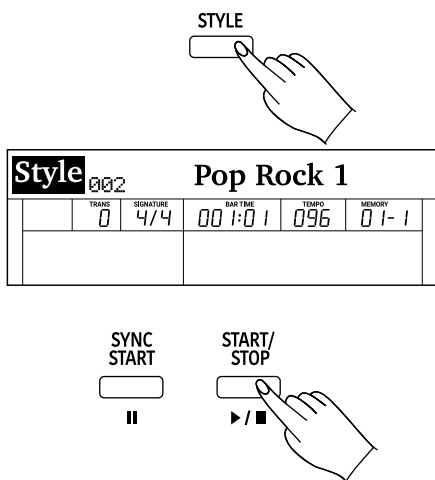> ⓘ *You can set the volume for the sounds 'R1' and 'R2' in the mixer menu (see ⮧ Chapter 7.8 'Mixer' on page 33).*

7.12 Playing with auto accompaniment

Auto accompaniment allows you to play along to one of the available styles on the digital piano. Depending on the chords you play with your left hand, the auto accompaniment adapts itself. You can also insert an intro, fill and an ending.

7.12.1 Selecting a style

STYLE

Style 002   Pop Rock 1

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

SYNC START

START/ STOP

II   ▶/■

The digital piano offers a total of 270 styles in twelve categories. The style list is available for download on the product page of our website *www.thomann.de*.

1. ▶ Press *[STYLE]* to activate style mode.

   ⇨ The display shows the current style.

2. ▶ Use the rotary control or *[>/YES]/[</NO]* to select the required sound to serve as the accompanying track.

   Alternatively, you can use one of the direct style selection buttons to select a preset style.

3. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

4. ▶ Press *[START/STOP]* to start the accompaniment track.

   Alternatively, press *[SYNC START]* to start the accompaniment track with the first keystroke on the keyboard.

5. ▶ Press *[STYLE]* again to deactivate style mode.

7.12.2 Accompaniment variation

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

Intro / Ending

INTRO/ENDING
1   2
LEFT
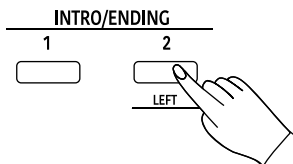
▶ Press *[INTRO/ENDING]* before playing a style in order to insert an intro. Press the button while the accompaniment track is playing to insert an ending after the last bar that matches the accompaniment.

MAIN part
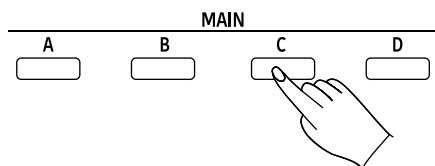
MAIN
A   B   C   D

▶ Press one of the buttons *[MAIN A]…[MAIN D]* before playback begins to select a variation of an accompaniment pattern. Each variation is a multi-bar accompaniment pattern that is repeated indefinitely. Pressing the selected MAIN VARIATION button again selects a suitable fill.

FILL

The digital piano automatically inserts a suitable fill (fill bar) after the current bar of the style currently being played.

> ⓘ *If you press and hold one of the buttons [MAIN A]…[MAIN D] while a style is playing, the fill will be repeated until you release the button.*

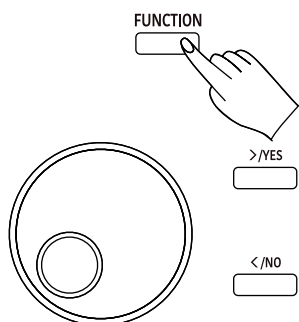## 7.12.3 Chord accompaniment

The chord accompaniment of the digital piano allows you to play chords with your left hand in single or multi mode, bass invert mode or full range mode and to accompany them with the right hand. Alternatively, you can accompany practise songs and styles in piano mode with both hands. The chord list is available for download on the product page of our website *www.thomann.de*.

With this function you can set the variant of the chord input.

1. ▶ Press *[FUNCTION]* to call up the function menu.

2. ▶ Use the rotary control to select the *'CHORD'* menu to activate the chord input.

3. ▶ Press *[>/YES]/[</NO]* to set the variant of the chord input.

4. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

Single Finger

In this mode, the following chord types are played with one or two fingers of the left hand and taken from the chord library (Example C, Cm, C7 and Cm7):

C
• **To play a major chord**
Press the root note of the chord

Cm
• **To play a minor chord**
Press the root note together with the nearest black key to the left of it .

C7
• **To play a seventh chord**
Press the root note together with the nearest white key to the left of it .

Cm7
• **To play a minor seventh chord**
Press the root notes together with the nearest white and black keys to the left of it (three keys altogether) .

Multi Finger

In this mode, you can play chords with normal fingering. Here we show you 32 chords using the example of C chords:

The notes in brackets are optional; the chords will also be recognised without them.

Bass Invert

In this mode the digital piano detects reversals of the bass track. If e.g. the second inversion of a C major chord is played with the left hand (G-C-E), the bass note is a G.

Full Range

First, set a split point on the keyboard, (see ↻ Chapter 7.4.4 'Split point setting' on page 25). The keyboard area to the left of the split point is the chord area.

Selecting accompany mode

A.B.C. ♪

Style 002   Pop Rock 1

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1
		A.B.C.		

Func CHORD   Fingered

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	078	01-1
		A.B.C.		

SYNC   START/
START   STOP
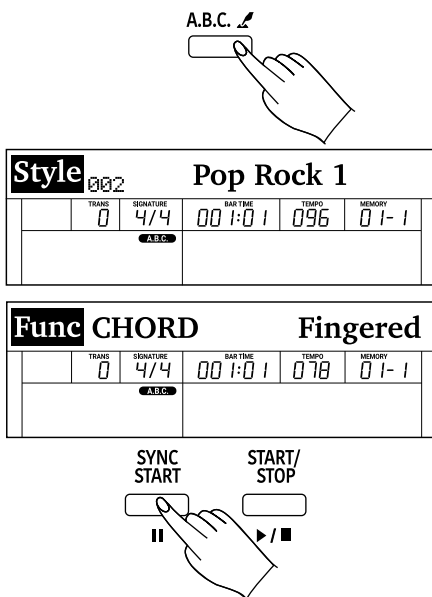
1. ▶ Press *[A.B.C.]♪* to activate the auto accompaniment.

   ⇨ The display shows *'A.B.C.'* and the current style.

2. ▶ Press *[A.B.C.]♪* repeatedly to switch between the menu items *'A.B.C.'* (auto accompaniment on), *'Full Range'* (auto accompaniment mode) and *'Off'* (auto accompaniment off).

3. ▶ Press and hold *[A.B.C.]♪* to enter the chord input menu.

4. ▶ Use *[>/YES]/[</NO]* to select the required accompaniment mode.

5. ▶ Press *[SYNC START]* to activate the accompaniment mode.

   ⇨ The auto accompaniment starts with the first keystroke on the keyboard.

6. ▶ Press *[START/STOP]* to start playback of the previously selected style.

   ⇨ If you play a chord in the left area of the keyboard, the automatic mode for the chords sets in.

7.12.3.1 Accompaniment track tempo
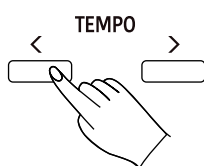
All pre-programmed styles contain certain tempo information. These presets can be adjusted at any time.

1. ▶ Press *[TEMPO <]/[TEMPO >]* to call up the tempo settings menu.

   ⇨ The tempo value flashes on the display.

2. ▶ Use the rotary control or *[>/YES]/[</NO]* to select the required tempo.

3. ▶ Press *[>/YES]* and *[</NO]* simultaneously to restore the default settings.

If the style is changed after stopping a style, the default setting of the tempo is restored. If you change the style during playback, the tempo remains unchanged.

7.13 One Touch Setting (O.T.S)
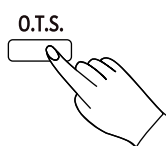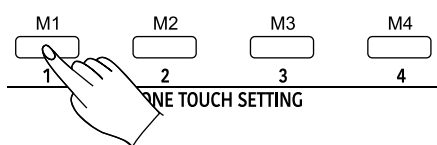
One Touch Setting is a powerful and practical function that allows you to automatically call up the most suitable voices, including effects, etc. for the currently selected style with a single touch of a button. If you have already decided which style you want to use, you can automatically select the appropriate voice via OTS. There are four variations (M1 to M4).

1. ▶ Press *[O.T.S.]* to start O.T.S. mode. If you press one of the buttons *[M1]* to *[M4]*, the device will load the corresponding parameter types that match the current style. A.B.C. mode is automatically turned on in the process.

   ⇨ The display shows *'O.T.S.'* and the current style.

2. ▶ Press one of the buttons *[M1]* to *[M4]* that provides the desired settings.

3. ▶ Press *[O.T.S.]* again 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
   - Pan voice R1, R2, L

7.14   Memory function

With this function you can save all the settings you have made and call them up again with a single push of a button.

Saving settings
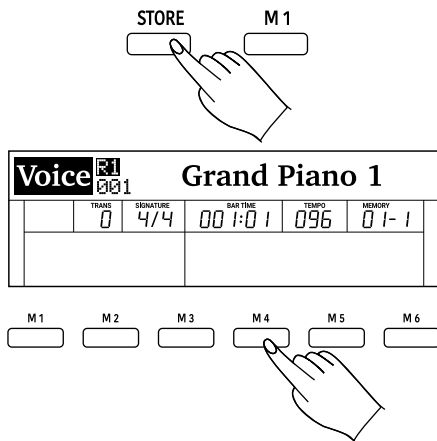
1. ▸ Press and hold *[STORE]* and press one of the buttons *[M1]…[M6]* to save the current settings in the respective memory location (M1 to M6).

> ⓘ *Note that the previous settings will be overwritten.*

Loading settings

Selecting a memory bank
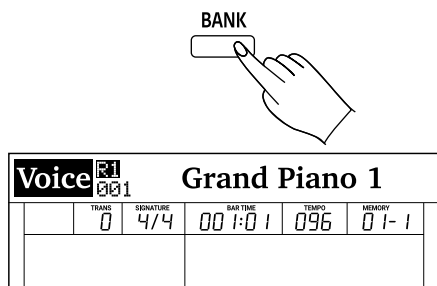
2. ▸ Press one of the buttons *[M1]* to *[M6]* that provides the desired settings.

3. ▸ Press *[BANK]* to enter the memory bank settings menu.
    ⇨ The display shows the currently selected memory bank.

4. ▸ Use the rotary control to select the desired memory bank.

   Alternatively, you can press *[BANK]* repeatedly to select the desired memory bank.

7.15   MIDI recording

With the digital piano you can record and save a MIDI recording as a user song.

7.15.1   Recording settings

1. ▸ Press and hold *[REC]* to open the recording settings menu.

2. ▸ Use the rotary control to select the *'Rec'* menu.

3. ▸ Press *[>/YES]/[</NO]* to select the recording settings.
    ⇨ The digital piano is ready to record.

The following table shows the possible settings:

Parameter	LCD	Settings
Record Type Setting	Record Type: xxx	MIDI IN
MIDI Recording Channel 1	Ch1:R1 xxx	On, Off
MIDI Recording Channel 2	Ch2:R2 xxx	On, Off

| Parameter	LCD	Settings
MIDI Recording Channel 3	Ch3:L xxx	On, Off
MIDI Recording Channel 4	Ch4:MIDI Ch4 xxx	On, Off
MIDI Recording Channel 5	Ch5:MIDICh5 xxx	On, Off
MIDI Recording Channel 6	Ch6:MIDICh6 xxx	On, Off
MIDI Recording Channel 7	Ch7:MIDICh7 xxx	On, Off
MIDI Recording Channel 8	Ch8:MIDICh8 xxx	On, Off
MIDI Recording Channel 9	Ch9:Rhythm_s xxx	On, Off
MIDI Recording Channel 10	Ch10:Rhythm_m xxx	On, Off
MIDI Recording Channel 11	Ch11:Bass xxx	On, Off
MIDI Recording Channel 12	Ch12:Chord1 xxx	On, Off
MIDI Recording Channel 13	Ch13:Chord2 xxx	On, Off
MIDI Recording Channel 14	Ch14:Chord3 xxx	On, Off
MIDI Recording Channel 15	Ch15:Phrase1 xxx	On, Off
MIDI Recording Channel 16	Ch16:Phrase2 xxx	On, Off
Saving the MIDI Recording To	MIDI Save To: xxx	Internal Flash, USB Flash

- *The settings for the 'Record Type Setting' and 'Saving the MIDI Recording To' parameters can only be changed if a USB flash drive (USB stick) is inserted. For more information, see ♮ Chapter 7.19 'USB flash drive (USB stick)' on page 45.*
- *If you have used a DSP effect during MIDI recording, the preset DSP effects for sounds R1, R2 and L will be deactivated during MIDI playback and cannot be changed. They are reactivated as soon as you pause or quit MIDI playback or exit MIDI mode.*
- *If you are using channels 4…8 for recording, connect an external MIDI keyboard or a similar MIDI drive via the MIDI or USB socket and adjust the MIDI out channels accordingly.*

7.15.2 Recording preparation

Voice **R1** 001   Grand Piano 1

REC	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1
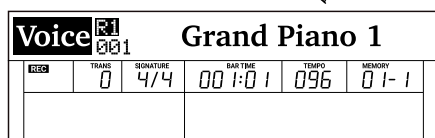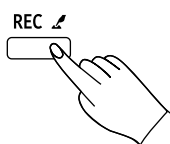
1. ▶ Press *[REC]✐* to activate standby mode.
   ⇨ The LEDs in the *[REC]* button and the *'REC'* indicator on the display flash.

> *If a USB flash drive (USB stick) is connected, hold down [REC]✐ to open the settings menu and select 'MIDI' as the recording mode.*
>
> *You can also choose whether you want to save the recording in the piano or on the USB flash drive (USB stick). Once you have completed your settings, press [REC]✐ to activate standby mode.*

2. ▶ In standby mode you can make settings for sound, style, tempo, etc.

3. ▶ Press *[REC]✐* again to deactivate standby mode.

7.15.3 Starting recording

In standby mode, press the *[START/STOP]* button to start recording.

Alternatively, you can start playing the keyboard to start recording.

⇨ The LEDs in the *[REC]* button and the *'REC'* indicator on the display light up.

> *When the memory is full, the recording is automatically ended and saved.*

7.15.4 Stopping recording

Press *[REC]* while recording to stop recording.

⇨ The LEDs in the *[REC]* button and the *'REC'* indicator on the display go out.

7.15.5 Playing a recording

There are two ways to play a recording.

1. Press *[REC]* while recording to stop recording.

⇨ The LEDs in the *[REC]* button and the *'REC'* indicator on the display go out.

2. Press *[START/STOP]* to play the recording you just saved.

3. In standby mode, press *[SONG]/*⓪ to call up song mode.

4. Use the rotary control to select the *'Song'* menu.

5. Press *[>/YES]/[</NO]* to select the user song.

6. Press *[START/STOP]* to play the recording.

SONG/⓪

Song 161   User Song

REC	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
	0	4/4	001:01	096	01-1

7.16 Audio recording

You can use the digital piano to make audio recordings and save them in MP3 format on a USB flash drive (USB stick).

7.16.1   Starting recording

REC ✍

Voice R1
001   Grand Piano 1

REC	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
📷	0	4/4	001:01	096	01-1

1. ▶ Connect a USB flash drive (USB stick) to the USB port provided.

   ⇨ The USB flash drive indicator lights up.

2. ▶ Press *[REC]*✍ to start the recording.

   ⇨ The LEDs in the *[REC]*✍ button and the *'REC'* indicator on the display light up.

> ℹ *While recording, you can use the auto accompaniment and microphone, play songs and demo songs, or play music via the [AUX IN] socket. All functions are recorded as well.*

7.16.2   Stopping recording

SYNC   START/
START   STOP

⏸   ▶/■

USB MP3
001   AudioRec001

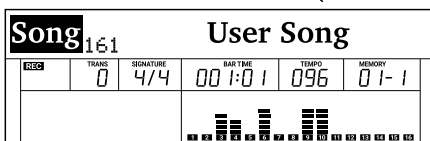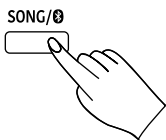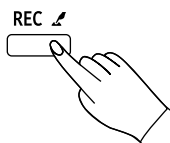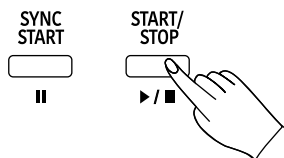|	TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
📷	0	4/4	001:01	096	01-1

1. ▶ Press *[REC]*✍ while recording to stop recording.

   ⇨ The LEDs in the *[REC]*✍ button and the *'REC'* indicator on the display go out. The recording is saved automatically.

2. ▶ Press *[START/STOP]*

> ℹ *Note that the USB flash drive (USB stick) must not be removed from the digital piano while data is being saved or read, otherwise the USB flash drive (USB stick) may be damaged.*

7.16.3   Playing a recording

▶ Press *[START/STOP]* to play the recording.

7.17 Demo songs

DEMO

Demo 01   Demo 1

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	006:04	118	01-1

START/
STOP

▶/■
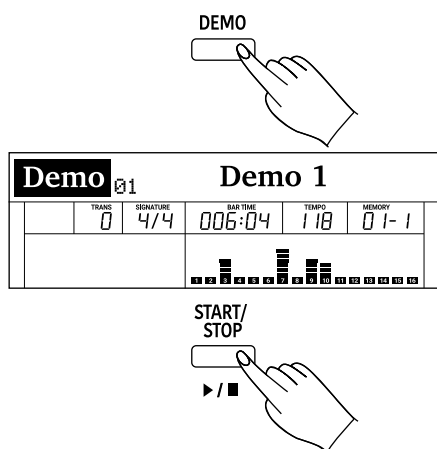
The digital piano offers a total of three demo songs. The demo songs show the sound and the pitch range of the digital piano.

1. ▶ Press *[DEMO]* to activate demo mode.

   ⇨ All demo songs are repeated continuously. The display shows the currently playing demo song.

2. ▶ Use the rotary control or *[>/YES]/[</NO]* to select a demo song (*'Demo1'* , *'Demo2'* , *'Demo3'*).

3. ▶ Press *[START/STOP]* to deactivate demo mode.

7.18 Practise songs

7.18.1 Playing practise songs

SONG/✿

Song 001   Red River Valley

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	095	01-1

Playback control
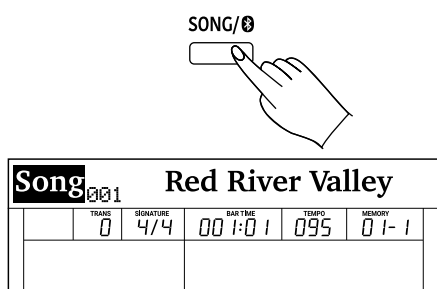
The digital piano offers a total of 90 practise songs. The song list is available for download on the product page of our website *www.thomann.de*.

1. ▶ Press *[SONG]*/✿ to activate song mode.

   ⇨ The display shows the currently playing practise song.

2. ▶ Use *[>/YES]/[</NO]* to select a practise song.

3. ▶ Press *[START/STOP]* to play the practise song.

4. ▶ Press *[START/STOP]* again to stop playback of the practise song.

5. ▶ Press and hold ▶▶ to search forward in the practise song.

6. ▶ Press and hold ◀◀ to skip back bar by bar.

7. ▶ Press and hold ‖ to pause practise song playback.

8. ▶ Press ✿ while playing the practise song to play the practise song in a loop.

9. ▶ Press ✿ while the practise song is playing to play all available practise song in a loop.

> ℹ – *If the Bluetooth® is activated, press [SONG] to activate Bluetooth® mode. Press [SONG] again to return to song mode.*

7.18.2   Practising practise songs

When practising practise songs, the melody tracks of the left and right hands can be muted.

1. ▸ Press *[LEFT]* to mute the left hand melody track.

   ⇨ The display shows the currently playing practise song and the indicator *'L-OFF'* lights up.
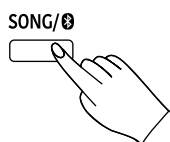
2. ▸ Press *[RIGHT]* to mute the right hand melody track.

   ⇨ The display shows the currently playing practise song and the indicator *'R-OFF'* lights up.

LEFT   RIGHT

Song L-OFF 001   Red River Valley

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	095	01-1

Song R-OFF 001   Red River Valley

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	095	01-1

7.18.3   Playing Bluetooth® demo songs

SONG/✲

1. ▸ After successful pairing (see ↻ *Chapter 7.4.16 'Bluetooth®' on page 30*) with a Bluetooth®-enabled device, you can play practise songs in Bluetooth® mode.

2. ▸ Press *[SONG]*/✲ to activate Bluetooth® mode.

   ⇨ The display shows *'Bluetooth Music'* and the indicator ✲ lights up.

✲ Song   Bluetooth Music

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	095	01-1

3. ▸ Press *[START/STOP]* to play the practise song.

4. ▸ Press *[START/STOP]* again to stop playback of the practise song.

> ⓘ – *Press [SONG] to return to song mode.*

7.18.4   Terminating the Bluetooth® connection

✲ Song   Disconnect

TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	095	01-1

1. ▸ Use the rotary control to select the *'Disconnect'* menu.

2. ▸ Press *[>/YES]*.

   ⇨ The digital piano shows *'Disconnect Bluetooth?'* .

3. ▸ Press *[>/YES]* to confirm the disconnection of the Bluetooth® connection.

7.19   USB flash drive (USB stick)

The digital piano detects USB flash drives (USB sticks) in sizes between 32 MB and 128 GB if they are FAT32 formatted and not partitioned. We recommend formatting the USB flash drive (USB stick) before using the digital piano. A USB flash drive (USB stick) in FAT 32 format supports up to 512 files in its root directory.

7.19.1 Playing songs
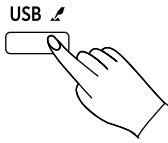
USB

USB MP3 001 AudioRec001

	TRANS	SIGNATURE	BAR	TIME	TEMPO	MEMORY
	0	4/4	00 1:0 1		096	0 1- 1

1. Press *[USB]* to activate the USB menu.

   ⇨ The display shows *'MIDI'* and *'USB'*.

2. Use the rotary control or *[>/YES]/[</NO]* to select a track from the USB flash drive (USB stick).

3. Press *[START/STOP]* to play that track from the USB flash drive (USB stick).

4. Press *[START/STOP]* again to stop playing the track from the USB flash drive (USB stick).

Playback control

5. Press and hold ▶▶ to search forward in the track from the USB flash drive (USB stick).

6. Press and hold ◀◀ to skip back bar by bar.

7. Press and hold ‖ to pause the playback of the track from the USB flash drive (USB stick).

8. Press ⟳ while playing the track from the USB flash drive (USB stick) to play the track in an endless loop.

9. Press ⟳ while playing the track from the USB flash drive (USB stick) to play all available tracks in an endless loop.

7.19.2 Saving songs

USBMenu Save MIDI

	TRANS	SIGNATURE	BAR	TIME	TEMPO	MEMORY
	0	4/4	00 1:0 1		096	0 1- 1

1. Press and hold *[USB]* to activate the USB menu.

2. Use the rotary control to select the *'Save MIDI'* menu.

3. Press *[>/YES]* to save the track in the root directory of the USB flash drive (USB stick).

   ⇨ The display shows the name of the saved song (*'UserSong00X_YYMMDD_NUB.MIDI'*). If the track to be saved does not contain any data, the display shows *'NoFile!'*.

4. After successful saving, the display shows *'User song save successful!'*.

7.19.3 Loading songs

USBMenu Load MIDI

	TRANS	SIGNATURE	BAR	TIME	TEMPO	MEMORY
	0	4/4	00 1:0 1		096	0 1- 1

1. Press and hold *[USB]* to activate the USB menu.

2. Use the rotary control to select the *'Load MIDI'* menu.

3. Press *[>/YES]*.

   ⇨ The display shows all available tracks in the root directory of the USB flash drive (USB stick).

4. Select the desired track with the rotary control and press *[>/YES]* to confirm the selection.

   ⇨ The display shows *'Load MIDI Successful!'*.

5. If the selected track does not contain any data, the display shows *'Overwrite the User Song?'*. If you want to overwrite the selected track, press *[>/YES]*. If you don't want to overwrite the selected track, press *[</NO]*.

6. After the loading process, the display returns to the USB menu.

7.19.4 Formatting

USBMenu	Load MIDI			
TRANS	SIGNATURE	BAR TIME	TEMPO	MEMORY
0	4/4	001:01	096	01-1

1. ▸ Press and hold *[USB]*✐ to activate the USB menu.

2. ▸ Use the rotary control to select the *'Format USB'* menu.

3. ▸ Press *[>/YES]*.

   ⇨ The display shows *'Format USB Flash Drive?'* .

4. ▸ Press *[>/YES]* to format the USB flash drive (USB stick). Press *[</NO]* to abort.

5. ▸ After formatting, the display returns to the USB menu.

> *The process may take some time. Do not switch off the digital piano during formatting.*

7.20 MIDI connection
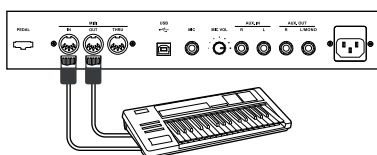
With MIDI connections, the device that controls another device is called the Master. A device that is controlled via MIDI is called slave. The *[MIDI OUT]* output of the master is connected to the *[MIDI IN]* input of the slave.

8 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	Mode 3	
	Altered	***********	No	
Note Number	Note	0 - 127	0 - 127	
	True voice	***********	0 - 127	
Velocity	Note ON	Yes (9nH, V = 1 - 127)	Yes (9nH, V = 1 - 127)	
	Note OFF	No (9nH, V = 0)	Yes (9nH, V = 0; 8nH, V = 0 - 127)	
After Touch	Keys	Yes	Yes	
	Channels	Yes	Yes	
Pitch Bend		Yes	No	
Control Change	0	No	No	Bank Select
	1	Yes	No	Modulation
	5	Yes	No	Portamento Time
	6	No	No	Data Entry
	7	No	No	Volume
	10	Yes	No	Pan
	11	Yes	No	Expression
	64	No	No	Sustain Pedal
	65	Yes	No	Portamento ON/OFF
	66	No	No	Sostenuto Pedal
	67	No	No	Soft Pedal
	80	Yes	Yes	Reverb Program
	81	Yes	Yes	Chorus Program
	91	No	No	Reverb Level
	93	No	No	Chorus Level
	120	Yes	No	All Sounds Off
	121	Yes	Yes	Reset all Controllers
	123	No	No	All Notes OFF
Program Change	True	No	No	
		***********	0 - 127	
System Exclusive		No	Yes	
System Common	Song Position	Yes	Yes	
	Song Select	Yes	Yes	
	Tune	Yes	Yes	

Function		Sent	Received	Notes
System Real Time	Clock	No	Yes	
	Commands	Yes	Yes	
Aux Messages	LOCAL ON/OFF	Yes	Yes	
	Active sense	No	No	
	Reset	Yes	No	

MIDI channel modes

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

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 headphone output 1 or 2. Connecting headphones will mute the speakers of the digital piano.
Malfunction occurs when using a mobile phone.	Using a mobile phone near the digital piano can cause interference. To prevent this, turn off the mobile phone or use it only at a safe distance.
Some notes on the keyboard sound wrong.	Reset the tuning to the default setting and restart the instrument.
The auto accompaniment does not start even though it is in standby mode.	Reset the digital piano to factory defaults.
The digital piano is not detected when connected to a computer.	Check the USB cable for correct connection.
	Connect the USB cable to another USB port on the computer.
The pedals do not work.	Check if the pedal cable is connected properly.
The USB flash drive (USB stick) does not work.	The digital piano only supports unpartitioned USB flash drives (USB stick) in FAT32 format.
	Please format the USB flash drive (USB stick) before use.

10 Technical specifications

Input connections	MIDI IN	1 × DIN socket, 5-pin
	Microphone	1 × 6.35-mm jack socket (unbalanced)
	AUX IN	2 × 6.35-mm jack socket (unbalanced)
	Power supply	1 × Rubber panel plug
Output connections	Headphones	2 × 6.35-mm jack socket
	MIDI OUT	1 × DIN socket, 5-pin
	MIDI THRU	1 × DIN socket, 5-pin
	USB MIDI	1 × USB-to-host interface
	USB AUDIO	1 × USB type A
	AUX OUT	2 × 6.35-mm jack socket (unbalanced)
Keyboard		88 weighted keys with hammer action
Polyphony		256-voice polyphonic
Sounds		1200
Styles		270
Effects		DSP, Chorus, Reverb
Pedal		Soft, Sostenuto, Sustain
Demo and practise songs		3 demo songs, 90 practise songs
Bluetooth®	Frequency range	2.402 GHz …2.480 GHz
	Max. transmission power	+12 dBm
	Standard	Version 4.0
	Bluetooth® name	PIANO-AUDIO
Operating system		Windows® 8 and later, Mac OS X® 10.8 and later
Speakers		2 × 40 W + 2 × 20 W
Amplifier		2 × 100 W
Volume		+92 dB max.
Supply voltage		230 V ∼ 50 Hz
Fuse		5 mm × 20 mm, 3.15 A, 250 V, fast blow
Dimensions (W × H × D)		1,476 mm × 932 mm × 947 mm
Weight		101 kg
Colour		polished black (item no. 497298), polished white (item no. 497307)
Ambient conditions	Temperature range	0 °C…40 °C
	Relative humidity	20%…80% (non-condensing)

Further information

Surface	Polished
Wooden keyboard	No
Ivory-feel keyboard	No
Auto accompaniment	Yes
Storage medium	USB to Device

11 Plug and pin assignments

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!

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.

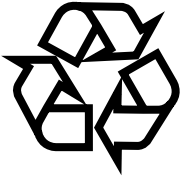**1/4" TS phone plug (mono, unbalanced)**

1	Signal
2	Ground, shielding

1/4" TRS phone plug (stereo, unbalanced)

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

12 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.
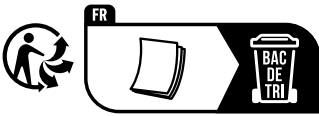
Observe the disposal note regarding documentation in France.

Disposal of your old device
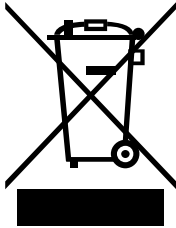
This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) as amended.

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. When disposing of the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste management facility. Proper disposal protects the environment as well as the health of your fellow human beings.

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.

You can return your old device to Thomann GmbH at no charge. Check the current conditions on *www.thomann.de*.

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