

th•mann

DP-51 BP, DP-51 B, DP-51 WH

User Manual

Digital Piano

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Table of contents

1	General information	5
	1.1 Symbols and signal words.....	5
2	Safety instructions	6
3	Features	8
4	Assembly instructions	9
5	Connections and controls	14
6	Connection options	16
7	Operating	18
	7.1 Turning the digital piano on and off.....	18
	7.2 Automatic shutoff.....	18
	7.3 Adjusting the volume.....	18
	7.4 Adjusting the sound quality.....	18
	7.5 Setting the touch sensitivity.....	19
	7.6 Fine tuning.....	19
	7.7 Transposing.....	19
	7.8 Setting the metronome's time signature.....	19
	7.9 Setting the split point.....	20
	7.10 Reverb effect.....	20
	7.11 Pedal resonance.....	20
	7.12 Chorus effect.....	21
	7.13 Equalizer.....	21
	7.14 Playing demo songs.....	21
	7.15 Playing styles.....	22
	7.16 Playing songs.....	22
	7.17 Selecting voices	22
	7.18 Tempo.....	23
	7.19 Dual mode.....	23
	7.20 Split mode.....	24
	7.21 Auto accompaniment.....	24
	7.22 Duet mode.....	24
	7.23 TWINOVA.....	24
	7.24 Accompaniment track volume, muting.....	25
	7.25 Recording function.....	25
	7.25.1 Preparing and starting recording.....	25
	7.25.2 Stopping recording.....	25
	7.25.3 Playing a recording.....	26
	7.25.4 Deleting recordings.....	26
8	MIDI implementation table	27
9	Troubleshooting	29
10	Technical specifications	30
11	Protecting the environment	32





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 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!

A short circuit could lead to a fire hazard and risk of death. Do not modify the mains cable or the plug! In case of isolation damage, disconnect immediately the power supply and arrange repair. If in doubt, seek advice from 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 that 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 if 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

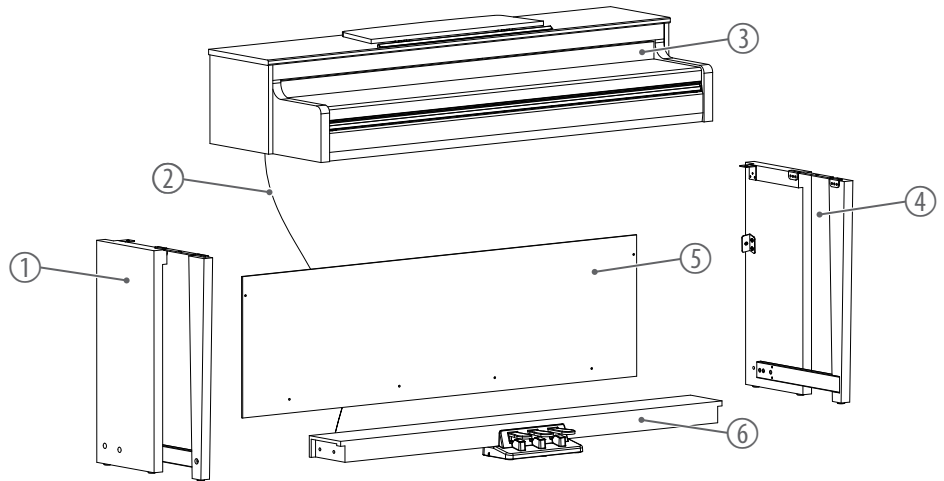
The digital piano offers the following features:

- 88 weighted keys with hammer action, adjustable touch velocity with three levels
- User-friendly controls and indicators
- Polyphony: 128-voice
- 40 voices
- 50 styles
- 60 practise songs
- 2 demo songs
- 5 memory slots for user recordings
- Reverb and chorus effect
- Sequencer function
- Metronome
- Dual mode, split mode
- Transpose function
- Connections: USB MIDI, headphones, AUX IN/OUT, MIDI IN/OUT, pedals
- Built-in speakers
- Operating system: Windows® 8 and later, Mac OS X® 10.8 and later

4 Assembly instructions

Overview

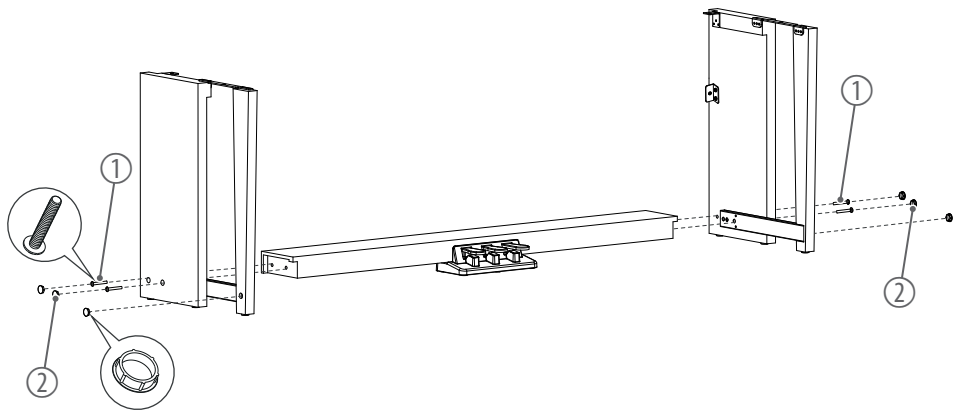
You need a Phillips screwdriver (not supplied) for the assembly of the digital piano. Open the package and, before assembling, please check that you have the entire scope of delivery, as listed here.



1	Left side panel
2	Pedal cable
3	Digital piano housing with music stand
4	Right side panel
5	Back panel
6	Pedal box

Mechanical assembly

1. ▶ Set up the digital piano near a power socket.
2. ▶ 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.



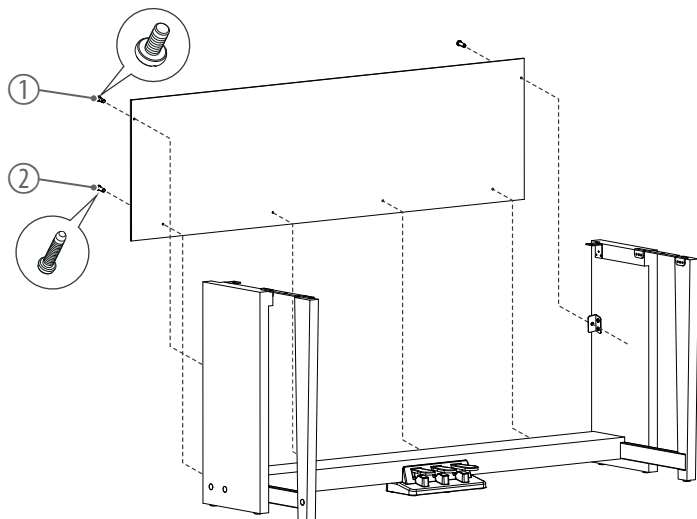
3. →

1 4 × screws M6 × 50

2 6 × plastic caps

Put the pedal box between the left and right side panels and use two M6 × 50 screws on each side to attach both side panels to the pedal box.

Attach the six plastic caps.

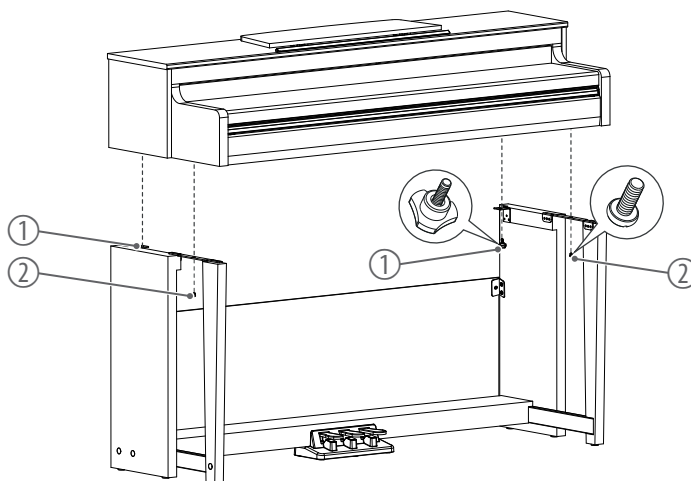


4. →

1 2 × screws M6 × 12

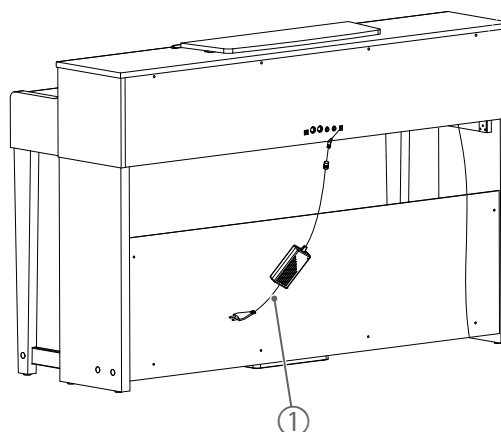
2 4 × screws 4 × 15BA

Attach the back panel to the pedal box with four 4 × 15BA screws and to the holding bracket of the side panels with two M6 × 12 screws.



- 5.** →
- | | |
|---|--------------------|
| 1 | 2 × hand screws |
| 2 | 2 × screws M6 × 18 |

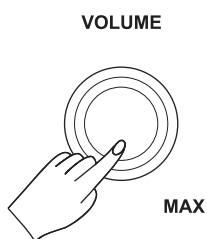
Place the digital piano case on the frame and secure it to the side panels with two M6 × 18 screws and the two thumbscrews.



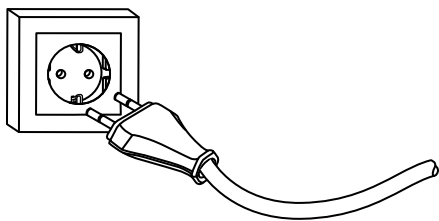
- 6.** →
- | | |
|---|------------|
| 1 | Power cord |
|---|------------|

Insert the DIN plug of the pedal cable into the provided socket on the underside of the digital piano. Insert the plug into the corresponding socket on the underside of the digital piano. Fix the cables to the base and move the digital piano to the desired position.

Mains connection



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

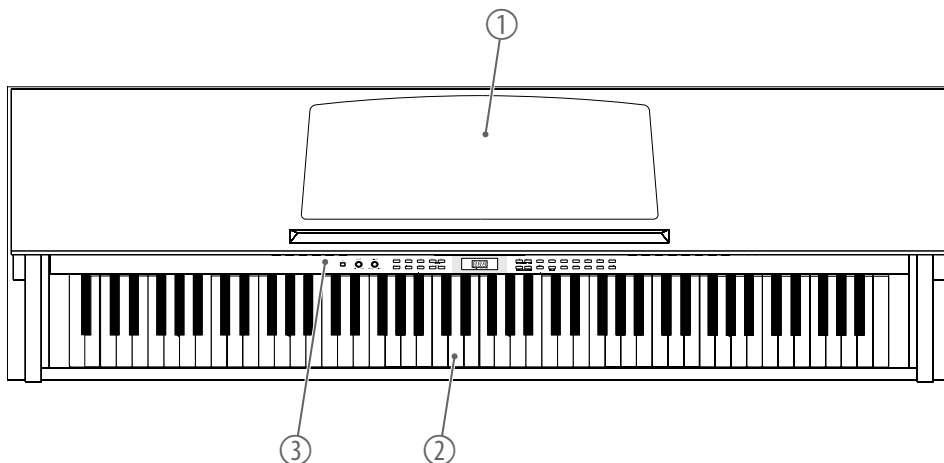


3. ➤ Plug the power cord into a 230 V mains socket
4. ➤ You can now turn on the device.



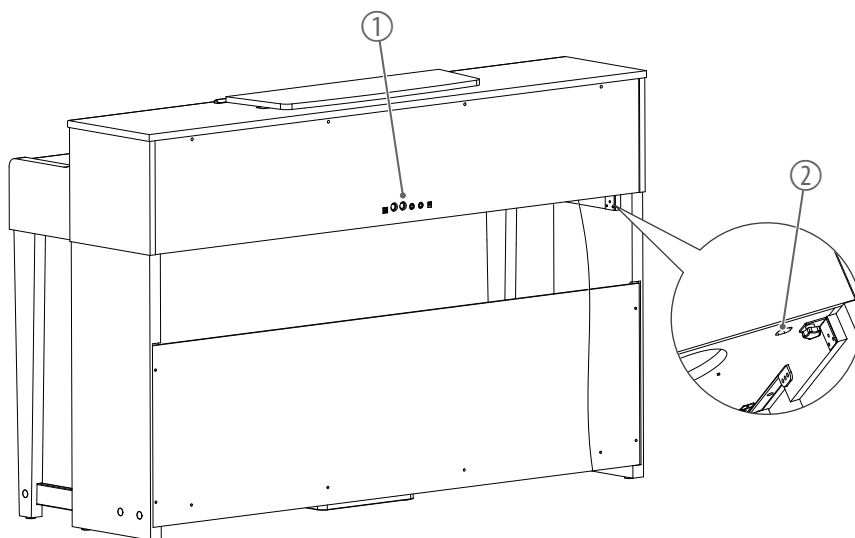
If the piano is not in use or when there is a risk of a thunderstorm with lightning, disconnect the device from its mains power for safety.

View from above



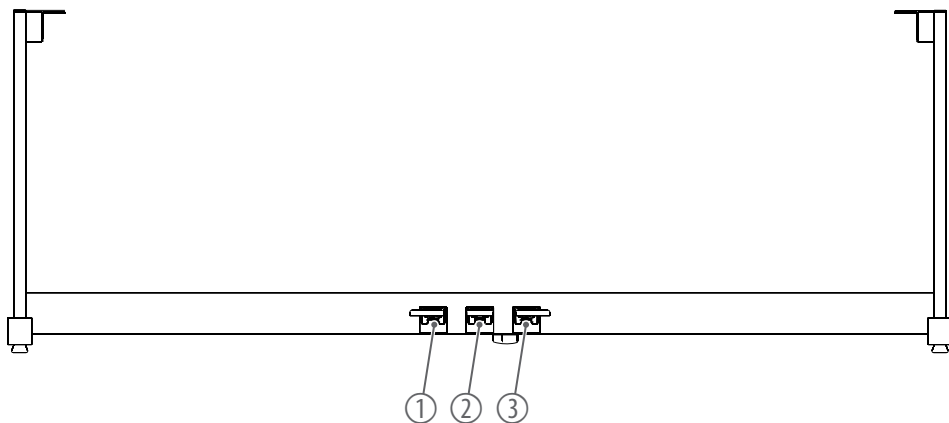
- | | |
|---|---------------|
| 1 | Music stand |
| 2 | Keyboard |
| 3 | Control panel |

Rear panel



- | | |
|---|----------------------------|
| 1 | Connection sockets |
| 2 | Connection for pedal cable |

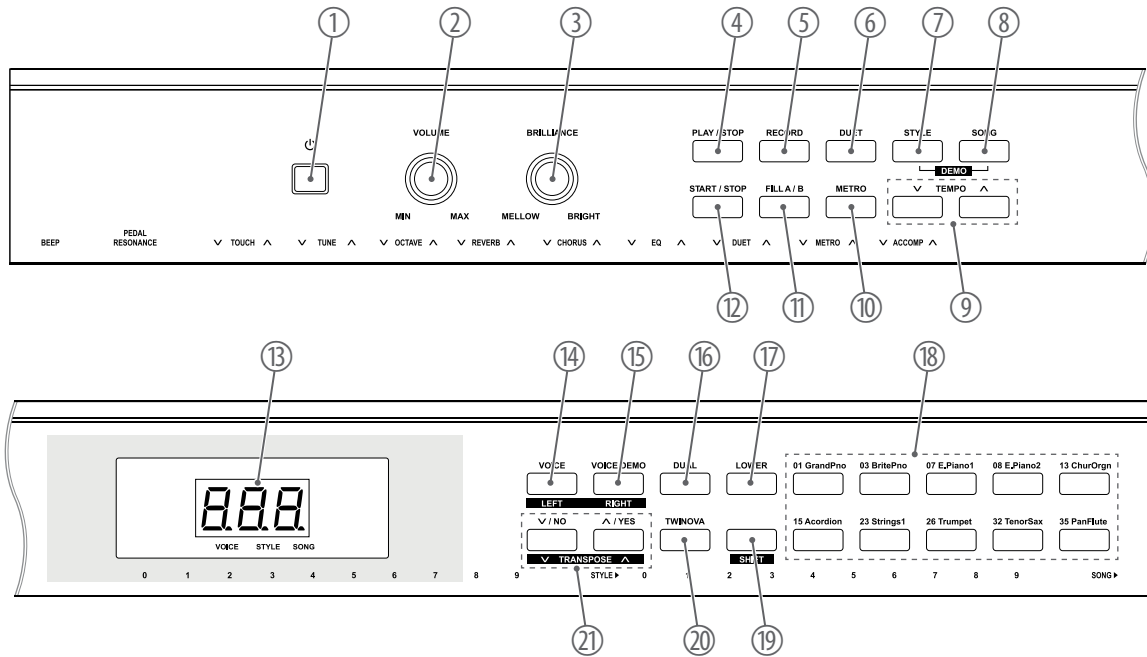
Pedals



1	Soft pedal
2	Sostenuto pedal
3	Sustain pedal

5 Connections and controls

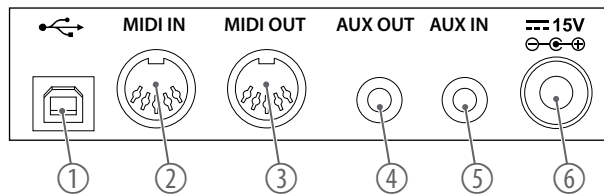
Front panel



- | | |
|----|--|
| 1 | Main switch for turning the device on and off |
| 2 | [VOLUME] Rotary control for adjusting the volume |
| 3 | [BRILLIANCE] Rotary control to adjust the brilliance |
| 4 | [PLAY/STOP] Button to start and stop user song playback |
| 5 | [RECORD] Button to activate recording mode |
| 6 | [DUET] Button for activating duet mode |
| 7 | [STYLE] Button for calling up the style selection |
| 8 | [SONG] Button for calling up the song selection |
| 9 | [TEMPO +] / [TEMPO -] Buttons for increasing/decreasing the playback speed |
| 10 | [METRONOME] Button to turn the metronome on and off |
| 11 | [FILL A / B] Button to insert a fill bar |
| 12 | [START/STOP] Button to start and stop the playback of songs and patterns |
| 13 | Display |
| 14 | [VOICE] / [LEFT] Button for calling up the voice selection. Button function when the [SHIFT] button is pressed: Mute the left-hand voice of the selected song in practice mode. |
| 15 | [VOICE DEMO] / [RIGHT] Button for calling up the voice demo function. Button function when the [SHIFT] button is pressed: Mute the right-hand voice of the selected song in practice mode. |
| 16 | [DUAL] Button for activating dual mode |
| 17 | [LOWER] Button for activating split mode |
| 18 | Direct selection buttons for selecting voices |

19	[SHIFT] Activates the second function of the dual-assigned function keys as well as the software functions of the piano keys.
	[BEEP] Turn the button sound on or off
	[PEDAL RESONNANCE] Turn the sustain effect of the pedals on or off
	[TUNE] Fine tune the keyboard
	[OCTAVE] Octave the keyboard (TWINOVA mode)
	[REVERB] Select effect type (reverb)
	[CHORUS] Select the effect type (chorus)
	[EQ] Select an equalizer preset
	[DUET] Select duet mode
	[METRO] Set the metronome's time signature
	[ACCOMP] Raise/lower the volume of the accompaniment track
	[STYLE] Select style 0 ... 9
	[SONG] Select song 0 ... 9
20	[TWINOVA] Button for activating TWINOVA mode
21	[YES/+] / [NO/-] / [TRANSPOSE +/-] Buttons for increasing/reducing the displayed value by 1. Button function while the [SHIFT] button is pressed: transpose the entire keyboard up or down in 12 semitones.

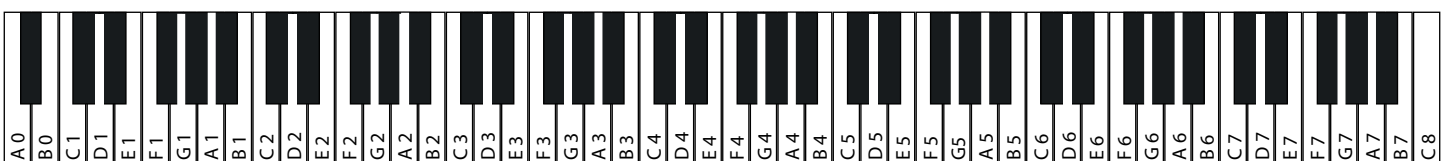
Rear panel



1	[USB] USB interface for connecting to a computer
2	[MIDI IN] MIDI input for connecting an external MIDI device
3	[MIDI OUT] MIDI out for connecting an external MIDI device
4	[AUX OUT] Output socket for connecting the digital piano to an amplifier, stereo system, mixer or recording device
5	[AUX IN] Input socket for connecting an external audio device (e.g. MP3 or CD player)
6	Input socket for connecting the mains power cable

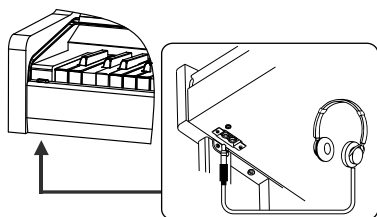
Piano keys

The piano keys are referred to as follows in this user manual:



6 Connection options

Headphones

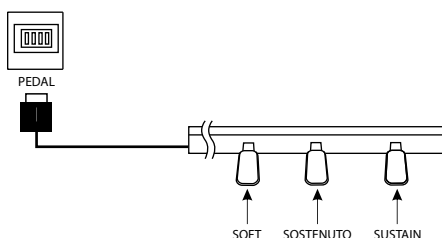


To the left beneath the keyboard you will find headphone outputs 1 and 2.

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

When using output 1, you hear the sound through headphones and speakers.

Pedals

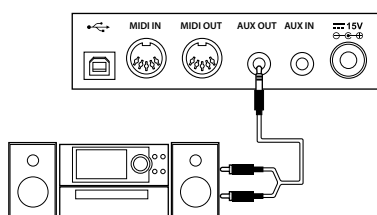


➔ Connect the foot pedal to the provided connector on the bottom of the pedal box.

Pedal functions

- Soft pedal: The soft pedal makes the piano sound smoother and attenuates the overall volume.
- 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 of the damper in an analogue keyboard instrument.

External audio devices via AUX OUT

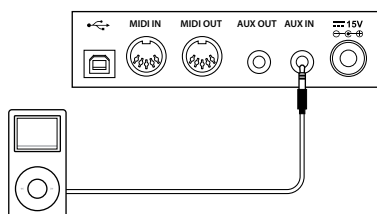


Use the [AUX OUT] socket to connect the digital piano to an amplifier, stereo device, mixing console or recording device. Plug one end of the audio cable into the [AUX OUT] socket on the back of the digital piano and the other end into the input of the respective audio device.



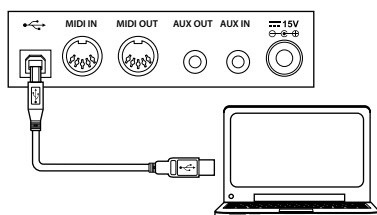
To prevent damage to the speakers, turn the volume down to "Minimum" before you connect other devices to the digital piano.

External audio devices via AUX IN



Use the [AUX IN] socket to connect (for example) 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.

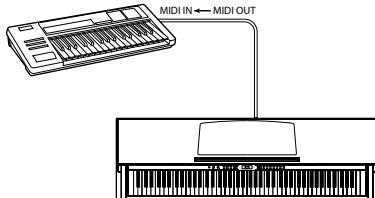


Use a current operating system still supported by the provider to avoid technical difficulties.



Do not define the USB interface as the simultaneous input and output in the computer software. Otherwise, there will be overlap when the digital piano is played.

MIDI interface



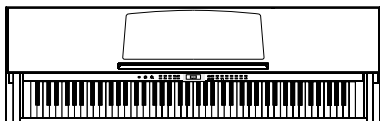
MIDI stands for “Musical Instrument Digital Interface” and represents a global standard for the communication of numerous electronic instruments and sound modules.

MIDI ports

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

7 Operating

7.1 Turning the digital piano on and off



Press the power button on the left of the front panel to turn the device on and off. When the value '0.01' appears on the display, the device is ready for use.



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

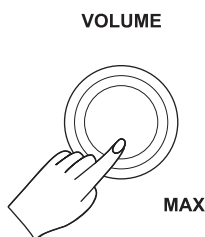
If you hear nothing coming from the speakers, the volume may be set to "minimum".

7.2 Automatic shutoff

If the digital piano is not in use, it shuts off automatically after 30 minutes. To deactivate the function, hold down the [A0] key and turn on the device.

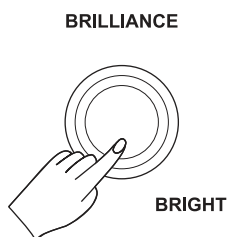
To turn the device on again after an automatic shutdown, press the main power button on the left of the front panel.

7.3 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.

7.4 Adjusting the sound quality



Use the [BRILLIANCE] rotary control to adjust the sound quality. Turn the control clockwise to produce a brighter sound. Turn it in the opposite direction to produce a darker sound with less treble.

7.5 Setting the touch sensitivity

With this function you can adjust the touch response of the claviature via three levels.

1. ➤ Hold down the *[SHIFT]* button.
2. ➤ Press the keyboard keys *[TOUCH] ▲* and *[TOUCH] ▼* to adjust the touch sensitivity.

Value	Meaning
'OFF'	Touch velocity is switched off. Pressing the keys firmly or softly has no effect on the volume.
'1'	Soft: Pressing the keys firmly or softly has a slight effect on the volume.
'2'	Normal: This setting corresponds to the usual touch response of the piano keys (default setting).
'3'	Hard: Pressing the keys firmly or softly has a significant effect on the volume, i.e. you have to press the keys very firmly to achieve full volume.

7.6 Fine tuning

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

1. ➤ Hold down the *[SHIFT]* button.
2. ➤ Fine tune the keyboard using the *[TUNE] ▲* and *[TUNE] ▼* piano keys. Each time a key is pressed, the value changes by 1 cent.

7.7 Transposing

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

1. ➤ Hold down the *[SHIFT]* button.
2. ➤ Press the *[TRANSDPOSE] ▲* or *[TRANSDPOSE] ▼* piano keys to adjust the pitch. Each time a key is pressed, the value changes by one semitone.
3. ➤ Press both keys simultaneously to reset the pitch to the default value '00'.

7.8 Setting the metronome's time signature

With this function you can set the metronome's time signature.

1. ➤ Hold down the *[SHIFT]* button.
2. ➤ Adjust the time signature by pressing the keyboard keys *[METRO] ▲* and *[METRO] ▼* within a range of '0', '2' ... '9'.

7.9 Setting the split point

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

1. ➤ Hold down the [LOWER] button.
2. ➤ Press that key of the keyboard that is to be the split point.

7.10 Reverb effect

With this function you can turn on the reverb effect and select the effect type.

1. ➤ Hold down the [SHIFT] button.
2. ➤ Select the desired effect type by pressing the [REVERB] ▲ or [REVERB] ▼ piano keys.
 - 'OFF': Reverb effect off
 - '1': Room
 - '2': Reverb
 - '3': Church
 - '4': Delay
 - '5': Pan Delay
3. ➤ Press both keyboard keys at the same time to load the default value '2'.

7.11 Pedal resonance

This function mimics the sustain effect of a piano.

1. ➤ Hold down the [SHIFT] button.
2. ➤ Press the [PEDAL RESONANCE] keyboard key to turn the effect on or off.



While the resonance effect is activated, the chorus effect of the digital piano is suppressed.

7.12 Chorus effect

With this function you can turn on the chorus effect and select the effect type.

1. ➤ Hold down the *[SHIFT]* button.
2. ➤ Select the desired effect type by pressing the *[CHORUS]* ▲ or *[CHORUS]* ▼ piano keys.
 - 'OFF': Chorus effect off
 - '1': Chorus 1
 - '2': Chorus 2
 - '3': Chorus 3
 - '4': Flanger
 - '5': Rotary
3. ➤ Press both keyboard keys at the same time to load the default value 'OFF'.

7.13 Equalizer

With this function you can pre-select a certain tone colour.

1. ➤ Hold down the *[SHIFT]* button.
2. ➤ Select the desired setting by pressing the *[EQ]* ▲ and *[EQ]* ▼ piano keys.
 - '1': Standard
 - '2': Modern
 - '3': Rock
 - '4': Classic
 - '5': Jazz
3. ➤ Press both keyboard keys at the same time to load the default value '1'.

7.14 Playing demo songs

The digital piano offers a total of two demo songs.

1. ➤ Press the *[STYLE]* and *[SONG]* buttons simultaneously to start playing the demo songs in a continuous loop.
2. ➤ Press ▲ / *[YES]* and ▼ / *[NO]* to switch between the two demo songs. The display indicates which demo song is currently being played.
3. ➤ Press the *[STYLE]* and *[SONG]* buttons again simultaneously or the *[START/STOP]* button to stop playback of the demo songs.

7.15 Playing styles

The styles stored in the device are used to support your own playing at performances, while practising and recording.

1. ➤ Press **[STYLE]** to activate style mode.
⇒ The display shows the number of the most recently selected style in the format 'xx.x'.
2. ➤ Use the buttons ▲ / **[YES]** and ▼ / **[NO]** or a direct selection button to activate the desired style.
3. ➤ Press **[START/STOP]** to start or stop style playback.



To select a style via the keyboard keys, hold down the shift key and press the keys labelled 0 and 8 one after the other for style number 08, for example.

The style list is available for download on the product page at www.thomann.de.

7.16 Playing songs

The instrument offers a choice of 60 songs to accompany your playing at performances, while practising and recording.

1. ➤ Press **[SONG]** to start playing the songs in a continuous loop.
⇒ The display shows the number of the most recently played song in the format 'xx.x'.
2. ➤ Press ▲ / **[YES]** and ▼ / **[NO]** to switch between the saved songs.
3. ➤ Press **[START/STOP]** to start or stop song playback.
4. ➤ If desired, hold down the **[SHIFT]** button and press **[LEFT]** or **[RIGHT]** to mute the song's melody or accompaniment track and play this part by yourself.
5. ➤ Press **[STYLE]** or **[VOICE]** to exit song mode.



To select a song via the keyboard keys, hold down the shift key and press (e.g. for song number 08) the keys that are labelled 0 and 8 successively.

The song list is available for download on the product page at www.thomann.de.

7.17 Selecting voices

The instrument features a selection of 40 realistic voices.

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 first right-hand voice (main voice), e.g. '0.01'.
2. ➤ Use the buttons ▲ / **[YES]** and ▼ / **[NO]** or a direct selection button to assign the desired voice.

In dual and split mode, you toggle between the first and second right hand voice and the left hand voice by repeatedly pressing the [VOICE] button: The display shows the selected voice. See the following sections regarding Dual mode and Split mode.



The voice list is available for download on the product page at www.thomann.de.

7.18 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. ➤ Press the two [TEMPO] function buttons during playback or with the metronome running to adjust the desired tempo in a range from '30' ... '280'.
or
2. ➤ Hold down the [SHIFT] button and adjust the tempo with the piano keys [TEMPO] ▲ and [TEMPO] ▼.
or
3. ➤ Hold down the [SHIFT] button and press the [TAP] key on the claviature twice at the desired tempo.
4. ➤ Press both [TEMPO] function buttons simultaneously to reset the tempo to the factory default setting.



To change the tempo via the keyboard keys, hold down the shift key and press (e.g. for a tempo of 64 bpm) the keys that are labelled 0, 6 and 4 successively.

7.19 Dual mode

In dual mode you can play two voices simultaneously.

1. ➤ First, select the first voice as described in section ↻ Chapter 7.17 'Selecting voices' on page 22.
2. ➤ Press [DUAL] to activate dual mode.
 - ⇒ The DUAL display lights up. The display shows the number of the second right-hand voice, e.g. 'd.30'.
3. ➤ Use the buttons ▲ / [YES] and ▼ / [NO] or a direct selection button to assign the desired voice.
 - ⇒ The currently set second voice 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.

7.20 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 7.9 'Setting the split point' on page 20](#).
2. ➤ Assign the right hand voice as described in section [Chapter 7.19 'Dual mode' on page 23](#).
3. ➤ Press **[SHIFT]** and **[LOWER]** simultaneously to enter split mode.
4. ➤ Use the buttons **▲ / [YES]** and **▼ / [NO]** or a direct selection button to assign a voice to the zone to the left of the split point (second voice).
 - ⇒ The currently set second voice 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.

7.21 Auto accompaniment

1. ➤ Select the desired style, see [Chapter 7.15 'Playing styles' on page 22](#).
2. ➤ The accompaniment starts as soon as you press a key in the chord area.
3. ➤ If desired, you can insert fills as a transition between two song-parts with **[FILL A/B]**.

7.22 Duet mode

With this feature on, the digital piano automatically creates a matching accompanying voice when chords are played in the chord section of the keyboard.

1. ➤ Press **[DUET]** to enable the function.
2. ➤ Hold down the **[SHIFT]** button and select the desired duet pattern with the **[DUET]** piano keys.
3. ➤ Press **[DUET]** again to deactivate the function.

7.23 TWINOVA

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

1. ➤ Select the required voice, see [Chapter 7.17 'Selecting voices' on page 22](#).
2. ➤ Press **[SHIFT]** and **[TWINOVA]** simultaneously to enter the TWINOVA mode.

3. ➤ Specify a split point if necessary, see [Chapter 7.9 'Setting the split point' on page 20](#).
4. ➤ If desired, adjust the octave range (see [Chapter 7.7 'Transposing' on page 19](#)).
5. ➤ Press *[SHIFT]* and *[TWINOVA]* simultaneously again to quit the TWINOVA mode.

7.24 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

Hold down the *[SHIFT]* button.

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

2. ➤ Muting the accompaniment track

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

3. ➤ Re-enabling the accompaniment track

Press both *[ACCOMP]* function buttons simultaneously to re-enable the accompaniment track.

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

7.25 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.

7.25.1 Preparing and starting recording

1. ➤ Press *[RECORD]* to activate recording mode.
2. ➤ Press ▲ / *[YES]* and ▼ / *[NO]* to select a free memory slot for the recording.
 - ⇒ If a memory slot is already occupied, the value 'r-' appears on the display; empty memory slots are labelled 'nF'.
3. ➤ Press *[RECORD]* again to put the digital piano in record enable mode.
 - ⇒ The Record LED flashes.
4. ➤ If desired, select an accompaniment or voice and set the recording tempo.
5. ➤ Recording starts as soon as you play the first note or chord or press *[START/STOP]*.

7.25.2 Stopping recording

You can cancel or stop recording at any time with *[RECORD]*.

When the full memory capacity has been reached, the recording is terminated automatically and the recorded data is saved. The display shows 'Full'.

7.25.3 Playing a recording

1. ➤ End the recording by pressing *[RECORD]*.
2. ➤ Press *[PLAY/STOP]* to switch to normal playback mode and select the desired recording with ▲ / *[YES]* and ▼ / *[NO]*.
3. ➤ Start and stop playback with *[PLAY/STOP]*.

7.25.4 Deleting recordings

Deleting individual recordings

1. ➤ Press *[START/STOP]* to switch to normal playback mode and select the desired recording with ▲ / *[YES]* and ▼ / *[NO]*.
2. ➤ Press *[RECORD]*.
⇒ The display shows 'del'.
3. ➤ Confirm with ▲ / *[YES]* or cancel the delete process with ▼ / *[NO]*.

Deleting all recordings

1. ➤ Turn off the digital piano.
2. ➤ Press *[PLAY/STOP]* and *[RECORD]* simultaneously and switch the digital piano on again.
⇒ All user recordings will be deleted without a prompt.

8 MIDI implementation table

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		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	

MIDI implementation table

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	
	Active Sensing	Yes	Yes	
	System Reset	No	Yes	
Notes:	*1 When the accompaniment starts, an FAH message is transmitted. When the accompaniment stops, an FCH message is transmitted.			

MIDI channel modes

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

9 Troubleshooting

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
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.	1. Make sure that the volume control is set to the appropriate level. 2. Check if headphones are plugged into headphone output 2. Connecting headphones will mute the speakers of the digital piano.
Interference occurs when a mobile phone is used.	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.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at www.thomann.de.

10 Technical specifications

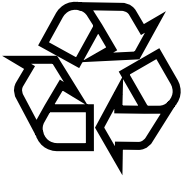
Input connections	Power supply	DC connection for power adapter
	USB port	USB-to-host
	MIDI interface	in
	AUX in	1 × 6.35-mm jack socket
Output connections	Headphones	2 × 6.35-mm jack socket
	MIDI interface	out
	AUX out	1 × 6.35-mm jack socket
Keyboard	88 weighted keys with hammer action	
	Touch sensitivity adjustable	
	Ivory-feel surface	
Polyphony	128-voice polyphony	
Sounds	40	
Styles	50	
Effects	Chorus, reverb, equalizer	
Pedals	Soft, sostenuto, sustain	
Pitch adjustment	Transposing	-12 ... +12
	Tuning	-50 ... +50
Functions	Metronome	0, 2, ... 9
	Tempo	30 ... 280
Demo and practise songs	62	
Memory	5 × memory slots for user recordings	
Speakers	Mid-level speaker and tweeter: 2 × 25 W	
	Woofer: 4 Ω + 2 × 40 W, 6 Ω	
Volume	91 dB max.	
Power supply	External power adapter, 100 - 240 V ~ 50/60 Hz	
Operating voltage	15 V $\overline{=}$ / 2,500 mA, centre positive	
Operating system	Windows 8 and later, Mac OS X 10.8 and later	
Dimensions (W × H × D)	1,400 mm × 910 mm × 492 mm	
Weight	59 kg	
Colour	Polished black	item no. 384231
	Black	item no. 413056
	Matt white	item no. 468446
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	20%...80% (non-condensing)

Further information

Wooden keyboard	No
Pressure point simulation	Yes
Auto accompaniment	Yes
Display	Yes
Learning function	No
Bluetooth Midi	No
USB-to-device	No
USB-to-host	Yes
Keyboard cover	Yes
Sequencer	Yes
Bluetooth audio	No
Semi-pedal capable	Yes

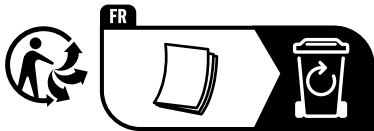
11 Protecting the environment

Disposal of the packing material



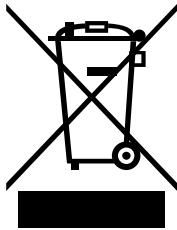
Environmentally friendly materials have been chosen for the packaging. These materials can be sent for normal recycling. Ensure that plastic bags, packaging, etc. are disposed of in the proper manner.

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.

