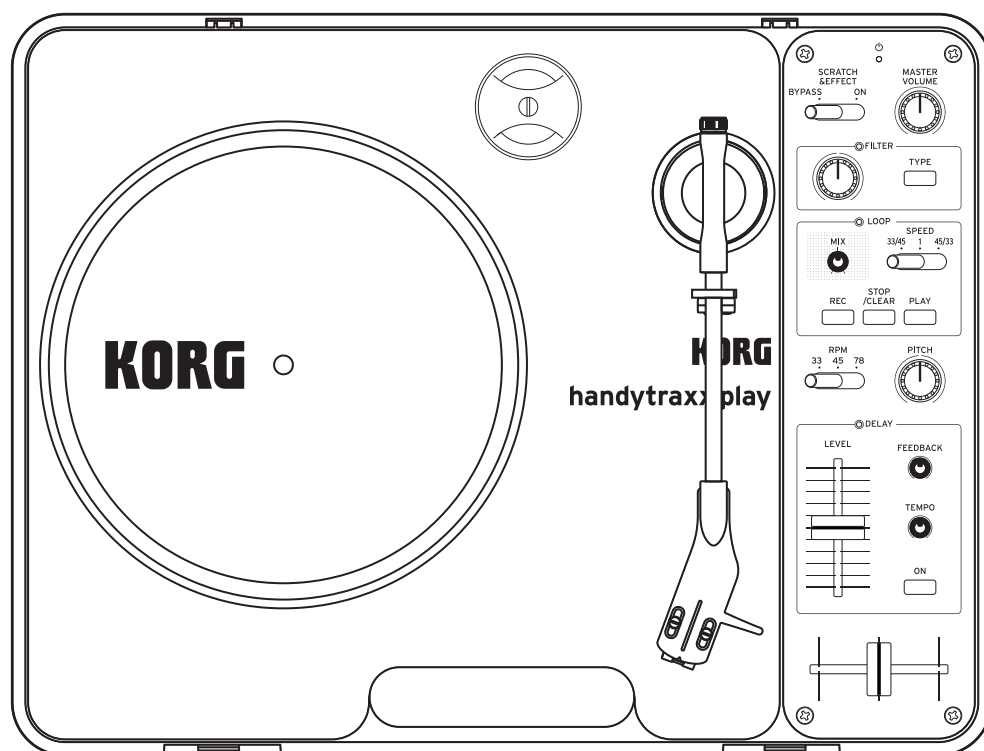


# handytraxx play

PORTABLE RECORD PLAYER

## Quick Start Guide



# KORG

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# Introduction

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Thank you for purchasing the Korg **handytraxx play** Portable Record Player.

To take full advantage of this device's functionality and ensure years of trouble-free operation, please read this Owner's Manual carefully before use.

→ [Conventions in this manual](#)

→ [Main features](#)

## Conventions in this manual

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- Specifications and appearance of this product are subject to change without notice.
- The product shapes and display content illustrated in this manual may differ somewhat from the actual product.
- Symbols used in this manual



Indicates an explanation you should heed to ensure that you can correctly utilize the capabilities or functionality of this unit.

**Note** Indicates an explanation that requires your attention.

**Tip** Indicates supplementary information that is useful to know.

\* All product names and company names are the trademarks or registered trademarks of their respective owners.

## Main features

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### **Portable, can be carried anywhere**

- Compact, lightweight. Attach the cover and easily carry the unit with the handle.
- Can be powered with six type AA batteries or the AC adapter.
- Features a built-in phono equalizer and speaker—all you need to play records.

### **Looper and effects for more sonic enjoyment**

- A built-in looper lets you change the recording or playback pitch to one of three settings. Use this to make a recording of the sound of the record, and then play it back as a loop or trigger the playback.
- This unit is all you need for DJ mixing, including scratch playing with the loop running in the background, swapping out records while the loop is playing back and so forth.
- Features a smooth-touch crossfader that's optimized for scratch techniques.
- Three types of filters with varying characteristics, as well as a digital delay for making tricky sounds are also available. These effects can be controlled in real time with the knobs and sliders.

### **Full set of essential capabilities for playing records**

- A selector switch is provided for switching between MM/ceramic cartridges. The cartridge can be replaced (\*).
- The unit features microcomputer-controlled digital rotation correction that continually monitors the rotation of the turntable and maintains the accurate speed.

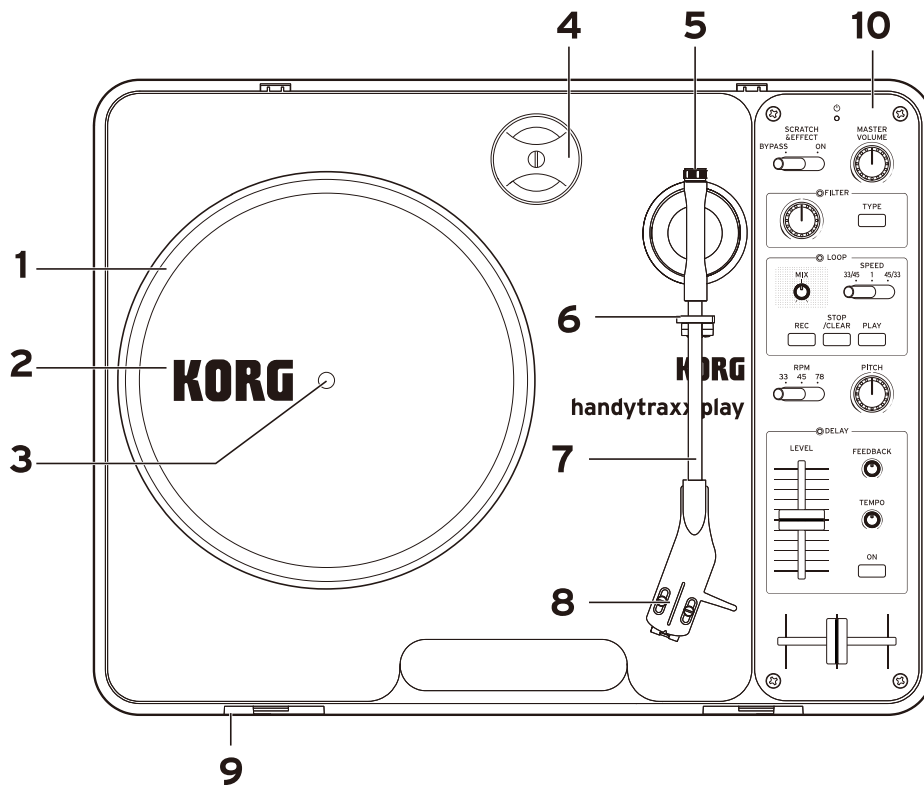
\* After changing the cartridge, adjust the needle pressure. A separate needle/stylus pressure gauge is required to make this adjustment.

### **Suitable for a variety of needs**

- Features a reverse switch for inverting the direction of the crossfader effect (left/right).
- By switching the front/rear orientation of the control panel and remounting the crossfader, the unit can be conveniently used by left-handed players.  
See "How to change the control panel layout" (separate document) for how to do this.

## Part names

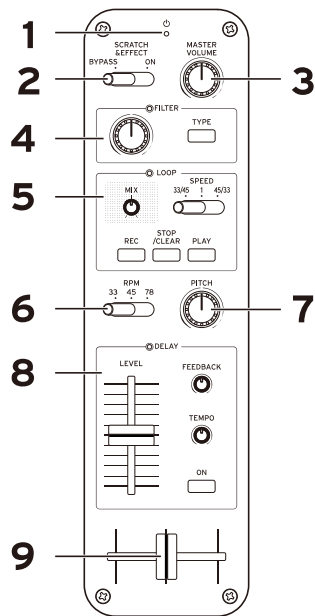
### Top panel



- 1 Platter
- 2 Slip mat
- 3 Spindle
- 4 EP adapter
- 5 Needle pressure adjustment screw
- 6 Tonearm lock
- 7 Tonearm
- 8 Headshell (integrated with tonearm)
- 9 Speaker
- 10 Control panel
- 11 Dust cover

*Note:* This screw comes preadjusted at the optimum pressure for the included cartridge. Do not adjust this screw unless you have replaced the cartridge.

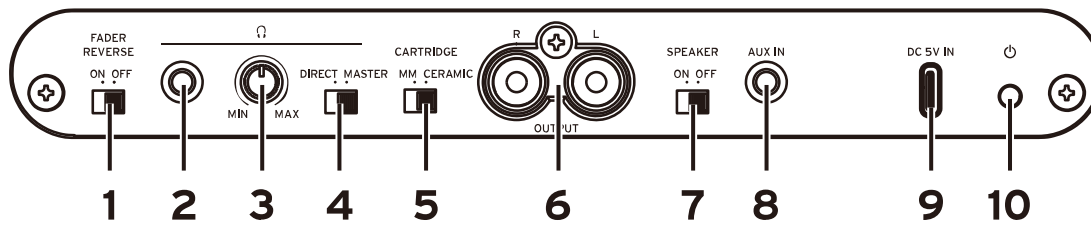
## Control panel



- 1 Power indicator
- 2 SCRATCH/EFFECT switch
- 3 MASTER VOLUME knob
- 4 FILTER section
- 5 LOOP section
- 6 RPM switch
- 7 PITCH knob
- 8 DELAY section
- 9 Crossfader

*Tip:* By removing the screw on the control panel to switch the front/rear orientation and remounting the crossfader, the unit can be conveniently used by left-handed players (see the separate document, "How to change the control panel layout").

## Side panel



- 1** FADER REVERSE switch  
Toggles the crossfader control orientation.
- 2** Headphones jack  
(3.5 mm stereo mini-phone jack)  
Connect your headphones here.
- 3** Headphones volume knob  
Adjusts the output volume for the headphones.
- 4** Headphones DIRECT/MASTER switch  
Switches between output sources for the headphones. → [Connecting the headphones](#)
- 5** CARTRIDGE switch  
Set the switch to the position that matches the cartridge you're using. When using the cartridge that's included with this unit, use the "CERAMIC" setting.
- 6** OUTPUT jacks  
(RCA pin jacks)  
Connect your powered monitor speakers, stereo amp or other audio equipment to these jacks.
- 7** SPEAKER switch  
Switches the built-in speaker audio output on/off.
- 8** AUX IN jack  
(3.5 mm stereo mini-phone jack)  
Connect the line-level output from a device such as a music player here.
- 9** DC 5V IN port  
(USB type-C)  
Connect the included AC adapter here.
- 10** Power button  
Long-press this button to turn the instrument on or off.

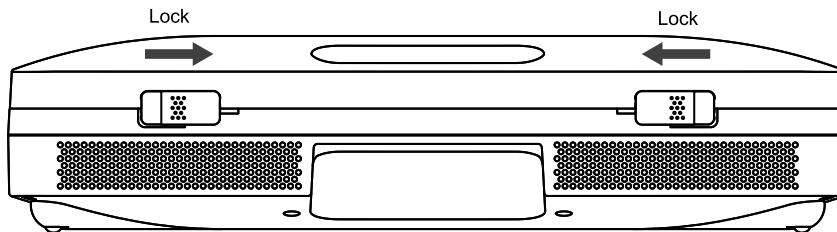


## Getting ready

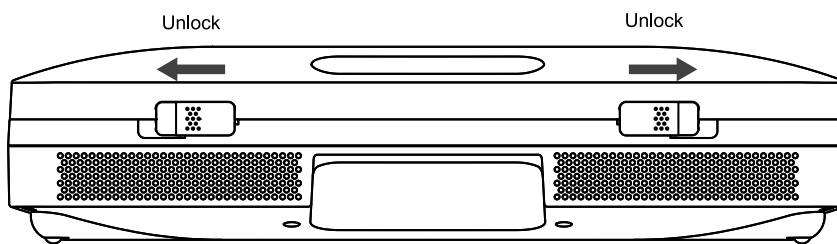
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### Using the dust cover

Insert the tabs on the rear side of the dust cover into the grooves on the rear side of the top panel and then put the dust cover down. Slide the front buckles on the dust cover to lock them in place.



To remove the dust cover, slide the buckles to unlock them, and tip the front cover back to open it. Remove the tabs from the grooves to take off the cover.

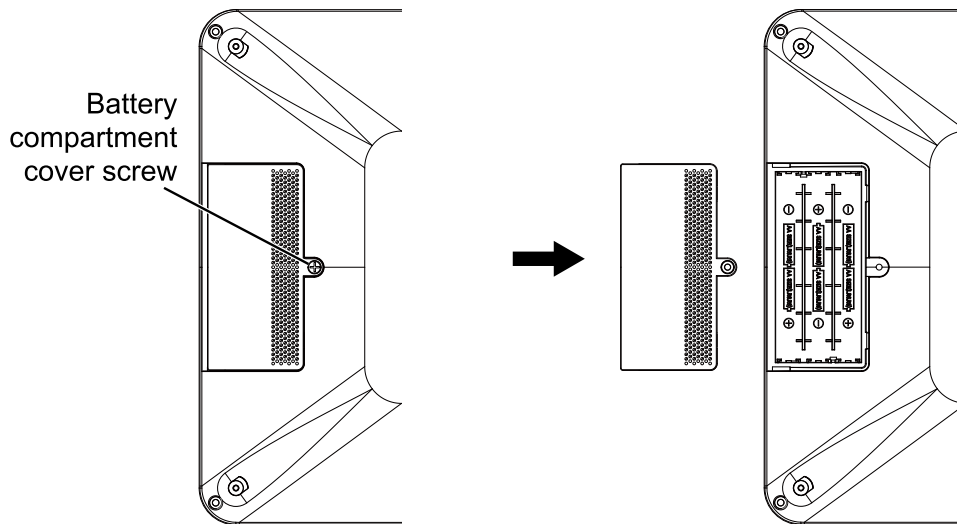


### Setting up the unit

- Place the handytraxx play on a flat surface.
- To prevent the unit from picking up vibrations or sound pressure waves, do not place it next to speakers or similar equipment.
- Placing the handytraxx play next to a radio may cause it to pick up wireless electrostatic interference. For this reason, keep the handytraxx play away from any wireless devices. Placing this unit near devices that emit strong radio waves (such as a cellphone) may cause noise.

## Inserting the batteries

Remove the screw from the bottom of the battery compartment, open the cover and insert the batteries while making sure they are facing the right direction.



When using this unit on battery power, the power indicator blinks at a specific interval if the remaining battery level reaches or falls below a certain point. If this happens, replace the batteries.

\* Batteries are not included, and must be purchased separately.

- ⚠ Turn off the power before replacing the batteries.
- ⚠ Remove the batteries from the unit immediately if they are depleted. Leaving depleted batteries in the unit might cause a product failure, such as due to battery leakage. The batteries should also be removed if you won't be using the unit for a long time.
- ⚠ Do not mix new and partially used batteries, or batteries of different types.

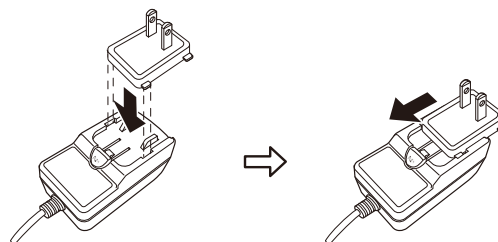
*Tip:* The unit operates on AC power while the AC adapter is connected, even if batteries have been installed.

## Assembling the AC adapter

### Attaching the AC adapter plug

Attach the appropriate exchangeable plug to the AC adapter according to the type of outlet you will be using.

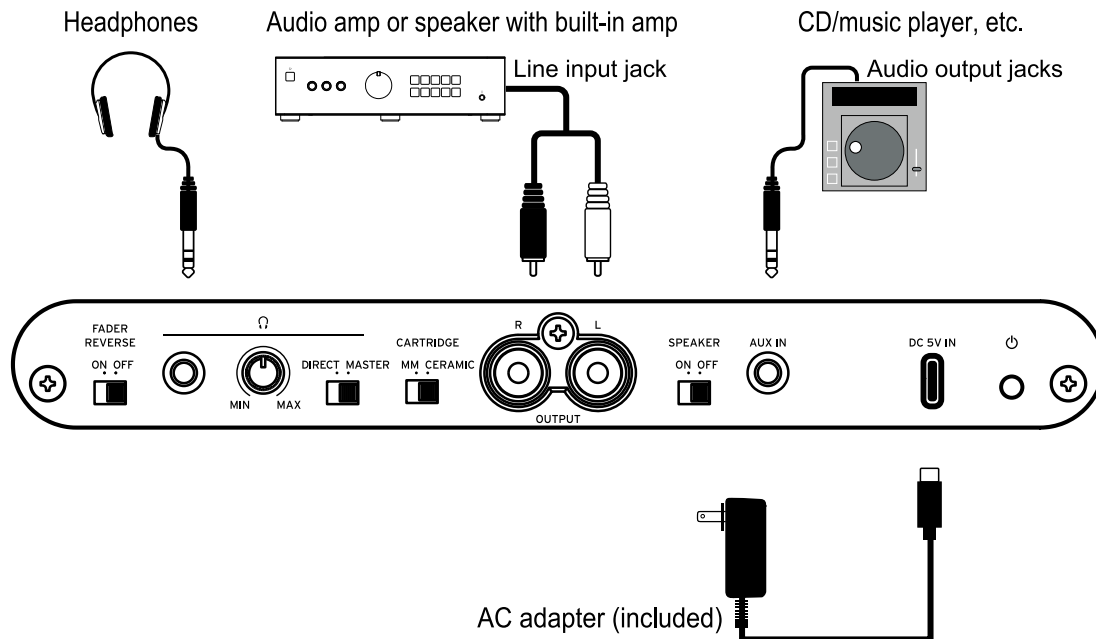
- 1 Insert the exchangeable plug, aligning it with the groove of the contact points on the AC adapter.
- 2 Slide the exchangeable plug until you hear a click, ensuring it is securely attached.



## Removing the exchangeable plug from the AC adapter

- 1 While pressing the lock button on the AC adapter, slide the exchangeable plug.
- 2 Once it reaches the point where it can no longer slide, the exchangeable plug can be removed.

## Connections



## Connecting the AC adapter

Connect the included AC adapter to the DC 5V IN port (USB type-C), and then connect the plug of the AC adapter to an AC outlet.

- ⚠ Make sure to use the included AC adapter. Using a different AC adapter may cause a malfunction or other issues.
- ⚠ Make sure that your AC outlet is the correct voltage for this unit.

## Connecting the headphones

To listen with headphones, connect them to the headphones jack (3.5 mm stereo mini phone jack).

You can use the headphones DIRECT/MASTER switch to switch between audio outputs for the audio from the headphones jack.

When the headphones DIRECT/MASTER switch is set to "DIRECT", the jack outputs the record playback audio without sending it through the looper, effects or crossfader. If you are outputting the looper playback audio through the speakers, you can hear the record playback audio through the headphones.

## **Connecting audio devices**

Use the OUTPUT jacks if you wish to connect to an audio amp or the like.

The audio output from the OUTPUT jacks is the same as the sound that's output from the speakers.

Connect your CD player, smartphone or other music player to the AUX IN jack (3.5 mm stereo mini phone jack).

The signal input from the AUX IN jack is mixed just before the MASTER VOLUME knob stage. For this reason, the SCRATCH&EFFECT switch has no effect even when it is set to ON. (→ [Block diagram](#))

*Note:* You can't adjust the level of the input from the AUX IN jack. Set the level as appropriate on the output device.

# Operation

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→ [Playing a record](#)

→ [DJ play](#)

## Playing a record

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- 1** Unlock the dust cover and remove the cover.
- 2** Place the slip mat onto the platter.
- 3** Remove the needle cover from the cartridge.
- 4** Turn the power on.  
Hold down the power button to turn on the power. The power indicator lights up.  
To turn off the power, hold down the power button until the power indicator blinks.
- 5** Set the SCRATCH/EFFECT switch to BYPASS. This outputs the record playback audio without sending it through the looper, effects or crossfader.
- 6** Place your record onto the platter.  
The spindle should be inserted through the hole on your record.  
When playing an EP record (such as a single or a donut-shaped record with a larger hole in the middle), attach the included EP adapter to the spindle and then place the record onto the platter.
- 7** Use the RPM switch to set the playback speed.  
The RPM switch sets how fast the turntable rotates, so set this switch according to the type of record you're playing. Turn the PITCH knob to make finer adjustments to the speed.
- 8** Turn the speakers on/off.  
If you want to hear sound from the built-in speaker, turn the SPEAKER switch on the side panel to ON.  
If you don't want to output sound from the built-in speaker, turn the switch to OFF and listen to the sound either through the headphones jack or the OUTPUT jacks.
- 9** Unlock the arm lock on the armrest.  
Release the tonearm from the lock.
- 10** While holding the tonearm using the finger lift on the headshell, place the needle onto the record.  
The turntable spins and the record plays.
- 11** Use the MASTER VOLUME knob to adjust the built-in speaker volume.  
Use the headphone volume knob to control the headphone volume.

### Auto power-off function

The handytraxx play automatically turns off if the switches are not operated for 20 minutes and the turntable is stopped (except for when the looper is recording).

# DJ play

---

## | DJ play

You can enjoy DJ play by recording the sound of the record with the looper, and then use the crossfader while the loop is playing in the background to scratch the record or apply delay and filter effects.

*Note:* When playing scratch techniques on a record, pressing the turntable too hard to make it stop rotating will put a load on the motor and belt, which could cause a malfunction or break the unit. For this reason, only stop the record and allow the turntable to keep rotating when you use this technique. You can place the included slip sheet between the slip mat and turntable to make the record slip more easily, which should make scratch playing smoother.

*Note:* The included EP adapter is used for listening only. This EP adapter may come loose if used for DJ play, so we recommend that you use a commercially available adapter for scratching.

- 1 Turn the SCRATCH/EFFECT switch ON.  
This enables the looper and effects.

*Note:* Start by setting the MIX knob to the center position so that you can hear the record playback sound, and then move the crossfader from either side towards the middle.

- 2 Press the TYPE button in the FILTER section when you want to apply a filter.→ [FILTER section](#)
- 3 Press the ON button in the DELAY section to add a delay effect.→ [DELAY section](#)
- 4 When using the looper, you can press the REC button in the LOOP section to record audio, and press the PLAY button to play back audio.→ [Using the looper](#)
- 5 Use the crossfader to switch between the looper and record playback sounds.

## | Using the looper

You can record what the record player is playing and make that recording play back in a loop.

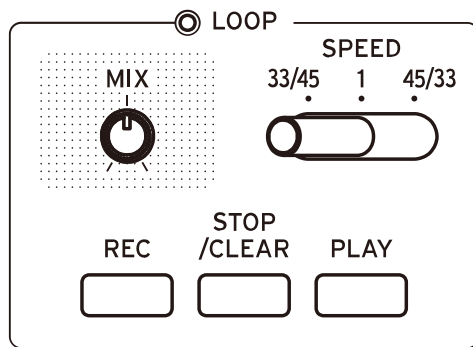
### Recording

- 1 Play the record.
- 2 Press the REC button to start recording.
- 3 Press the STOP button to stop recording. When recording is successful, the indicator slowly blinks green.
- 4 Press the PLAY button to play back what you recorded in a loop. While recording, press the PLAY or REC button to start loop playback right away.

### Playing the loop

You can use the crossfader while the loop is playing in the background to scratch the record, or apply delay and filter effects. You can also switch between playback speeds.

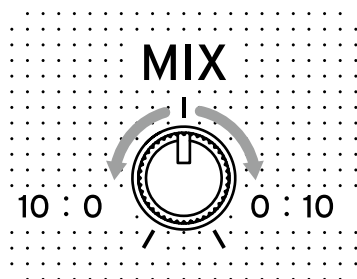
## LOOP section



### 1 MIX knob

This adjusts the volume balance between the loop playback and record playback audio.

Record: loop



When you scratch while the loop is playing back but the record playback audio is too loud, turn the knob clockwise from center position. Turning the knob clockwise makes the record audio quieter, and turning the knob all the way to minimum mutes the sound.

On the other hand, if the loop playback audio is too loud, turn the knob counterclockwise from center position. Turning the knob counterclockwise makes the loop audio quieter, and turning the knob all the way to minimum mutes the sound. The center position makes the audio sources the same volume.

### 2 SPEED switch

Switches between speeds for loop recording and playback.

33/45 is slower than normal, and 45/33 is faster than normal.

For instance, when you record with the 33/45 setting, and play back with the 1 or the 45/33 setting, the audio speeds up and the pitch sounds higher. When you record with the 45/33 setting and play back with the 1 or the 33/45 setting, the audio slows down and the pitch sounds lower.

### 3 REC button

Records to the looper. Press the REC button during loop playback for overdub recording. Press the button during recording or overdub recording to start playing back the loop.

#### What is overdub recording?

You can also layer the record scratch sound over the loop playback sound, and record this to the looper.

The overdub recording starts once the loop sound plays all the way to the end and then returns to the beginning, not when you press the REC button during playback.

*Note:* The filter and delay effects are not recorded to the looper. (→ [Block diagram](#))

### 4 STOP/CLEAR button

Stops loop recording or playback. Long-press the button while the loop is stopped until the indicator blinks green in short intervals to clear (erase) the recorded looper audio.



## 5 PLAY button

Plays the recorded audio in a loop. Each time you press this repeatedly during playback, the loop restarts from the beginning, so you can use this like a sampler pad.

## 6 LOOP indicator

Shows the looper status.

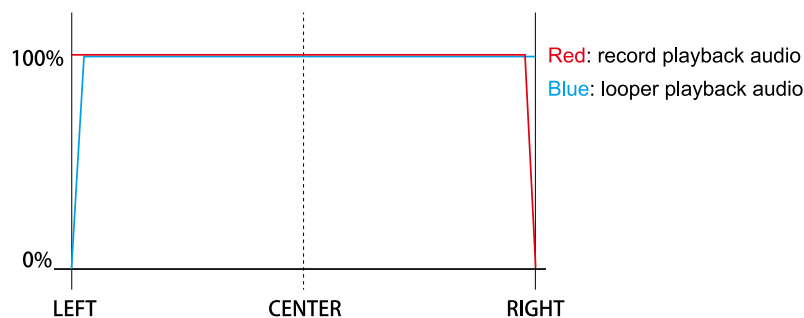
Unlit	Stopped (no looper recording)
Blinks green (slow)	Stopped (looper recording exists)
Blinks green (fast)	Recording data cleared
Lights up red	Recording
Lights up orange	Overdub recording
Blinks orange/green alternately	Overdub recording standby (after the REC button is pressed during playback and until playback reaches the end of the loop)

## Crossfader

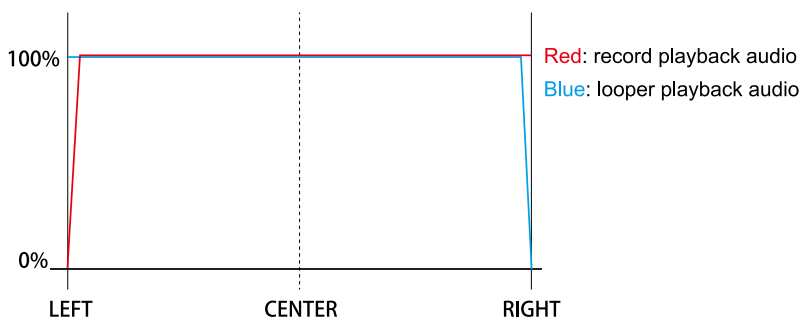
This is a horizontal fader with curve used for scratch techniques. The leftmost and rightmost sides of the fader are used for cutting out the record playback sound and the looper playback sound respectively.

You can use the REVERSE switch on the side panel to change the crossfader orientation.

### FADER REVERSE = OFF

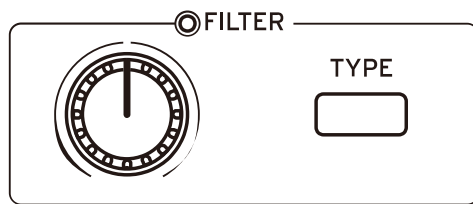


### FADER REVERSE = ON



## | Effects

### FILTER section



#### 1 FILTER knob

Adjusts the filter effect.

The effect that changes when you turn the knob depends on the filter type.

#### 2 TYPE button

Each press of this button cycles to the next filter type. When you switch the filter type, the FILTER indicator color changes.

There are three filter types.

#### **FILTER 1 (lit green): DJ filter**

This is an orthodox filter for DJs that integrates both a low-pass filter and a high-pass filter. This lets you add your own taste to a song or scratch sound, giving you freedom to make your music evolve even further.

Turning the FILTER knob counterclockwise makes the low-pass filter frequencies move towards the low end, and turning the knob clockwise makes the high-pass filter frequencies move towards the high end.

#### **FILTER 2 (lit orange): EQ and isolator**

This is an EQ and isolator that focuses on sound processing in the low frequency range. The EQ can be used to adjust the sound for more bass. The isolator cleanly cuts out the low end, which lets you put your own spin to the sound or use this effect in mixing. You can also use the isolator to extract the frequencies that are vital for scratch sounds.

Turning the FILTER knob counterclockwise makes the EQ boost the low frequencies, and turning the knob clockwise makes the isolator smoothly cut out the low frequencies.

#### **FILTER 3 (lit red): peaking wah**

This is an experimental sound effect that combines a peaking EQ that emphasizes certain frequencies with cyclical modulation. Apply a small amount of this effect to add a gentle sense of motion to a song or to scratch sounds, and apply a large amount of this effect for extreme sonic transformation.

Turning the FILTER knob counterclockwise speeds up the cycle of the peaking wah that emphasizes the mid- to low-frequency range. Turning the knob clockwise speeds up the cycle of the peaking wah that emphasizes the mid- to high-frequency range.

#### 3 FILTER indicator

Indicates the filter on/off status and filter type.

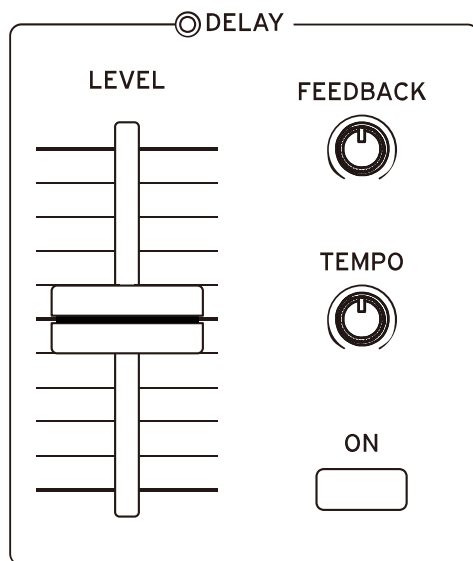
Green: FILTER 1

Orange: FILTER 2

Red: FILTER 3

Unlit: FILTER OFF

## DELAY section



### 1 FEEDBACK knob

Sets how many times the feedback delay sound is repeated. Turn this knob clockwise for more repetitions, and counterclockwise for less repetitions.

### 2 TEMPO knob

Adjusts the delay time. Turn the knob clockwise for a longer delay time, and counterclockwise for a shorter delay time.

### 3 LEVEL fader

Adjusts the level of the delay sound. Raising the fader makes the delay louder.

### 4 ON/OFF button

Switches the delay on/off.

### 5 DELAY indicator

This indicator blinks in time with the delay when the delay is on. Longer delay times make the blinking intervals longer, and shorter delay times make the blinking intervals shorter.

# Appendix

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- [Replacing the cartridge and needle](#)
- [Troubleshooting](#)
- [Specifications](#)
- [Block diagram](#)

## Replacing the cartridge and needle

---

### **Care and maintenance of the cartridge needle tip**

Use a commercially available cleaning brush or similar tool to remove any dust or dirt from the tip of the needle.

When using a brush, move the brush from the base of the needle to the tip as you clean.

### **Replacing the cartridge and needle**

- If the tip of the cartridge needle becomes worn out, this may make the sound quality worse, and may also damage the record.
- Make sure to turn the power off before you replace these parts.
- Please contact Korg customer service if you need to replace the cartridge or needle.

## Troubleshooting

---

### Power does not turn on

- Is the AC adapter plugged into the AC outlet? Connect the AC adapter to the AC outlet.
- Have you installed batteries, and are they in the correct orientation?  
If you are using this unit on battery power, check whether the batteries have enough charge. The power indicator blinks when the remaining battery level is low.

### No sound, volume is too low or distorts, or is too loud

- Either the function settings on your amp or other connected equipment or the input selection may be wrong. Check that the settings for the connected devices are appropriate.
- The crossfader might be set all the way to the left or to the right.
- Make sure the MASTER VOLUME knob is not turned down all the way (counterclockwise).  
No sound from the speakers
  - The SPEAKER switch might be set to OFF.
  - The MASTER VOLUME might be turned down all the way (counterclockwise).No sound is heard from the headphones
  - The headphone volume might be turned down all the way (counterclockwise).
- The CARTRIDGE switch may be set to the wrong position. Toggle the switch to the correct position to match the cartridge that's installed. (If you're using the cartridge that's included with this unit, use the "CERAMIC" setting.)
- The cartridge needle may be damaged. Check the needle and replace if necessary.

### Needle skips when playing

- The record may be warped. Check the condition of the record.
- The record may be scratched. Check the condition of the record.
- The needle pressure may be incorrect.  
If you've accidentally turned the needle pressure adjustment screw when using the included ceramic cartridge, use a commercially available needle/stylus pressure gauge to readjust the needle pressure to 5-6 g (the standard value is 5.5 g).
- Is the unit set up on a level surface? Make sure that the unit is resting on a level surface with no protrusions.
- The needle tip may be damaged. If you're using scratch techniques when playing records, the needle will wear out more quickly than when playing records normally.

### Feedback is heard

- The unit may be picking up excessive vibrations from the floor, walls or nearby speakers. Try reducing the vibrations, or place this unit on a surface that does not pick up as many vibrations.
- The unit may be resting on an unstable surface. Check that you have set up this unit in an appropriate place.

### Playback noise heard when playing a record

- Dust may be adhering to the cartridge needle. If so, use a commercially available brush to clean off the needle.

### The record plays back too fast or slow

- The RPM setting on this product may be incorrect. Use the RPM switch to select the correct RPM setting for the type of record you're playing. Also, adjust the pitch setting as appropriate with the PITCH knob.

## Specifications

---

### Drive system

Belt-driven (with digital rotation correction)

### Drive motor

DC servo motor

### RPM

33-1/3, 45 or 78 revolutions per minute

### S/N (signal-to-noise) ratio

Less than 60 dB (DIN-B)

### Cartridge model

Stereo ceramic cartridge included (MM supported)

### Needle pressure

5-6 g

### Maximum input level

AUX IN: 2.5 Vp

### Maximum output level

LINE OUT: 2.3 Vp, THD 1%

PHONO OUT: 300 mV (1 kHz, 5 cm/sec)

### PHONO preamp gain

Standard value: 34.5 dB; equalizer characteristics: RIAA

### Digital signal processing

A/D, D/A: 44.1 kHz@16-bit, stereo

Crossfader: 44.1 kHz, 32-bit float, stereo

MIX: 44.1 kHz, 32-bit float, stereo

LOOP: 44.1 kHz, 16-bit, stereo; max. recording time: approx. 20 sec

FILTER: 44.1 kHz, 32-bit float, stereo; type: OFF, FILTER1, FILTER2, FILTER3

DELAY: 44.1 kHz, 32-bit float, stereo; feedback (0-80%), time (1,000-10 ms)

### Power supply

AC adapter (included), six AA batteries (alkaline or nickel-metal hydride)

### Battery life

Approx. 11 hours (when speakers are ON, MAIN VOLUME knob is set to center position and when using alkaline batteries)

\* Battery life varies depending on the volume at which records are played and the speaker volume.

### Dimensions (W x D x H)

370 x 286 x 89 mm/14.57" x 11.26" x 3.50" (including extensions and dust cover)

### Weight

2.3 kg/5.07 lb (including dust cover, not including batteries)

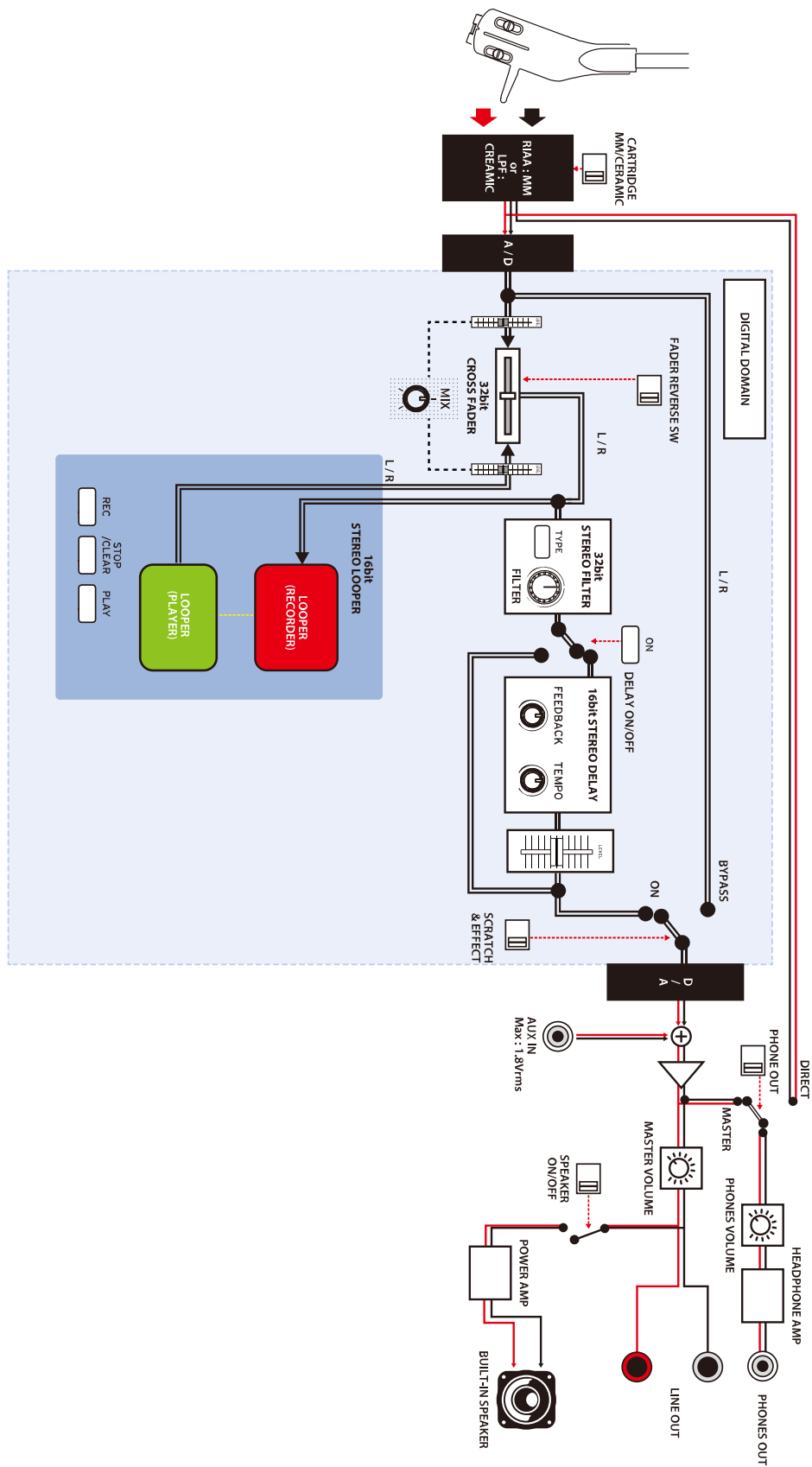
**Included items**

AC adapter (USB type-C cable attached), AC adapter exchangeable plug (5 types), dust cover, slip mat, slip sheet, EP adapter, Quick Start Guide

\* Specifications and appearance are subject to change without notice for improvement.



# Block diagram



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[www.korg.com](http://www.korg.com)  
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