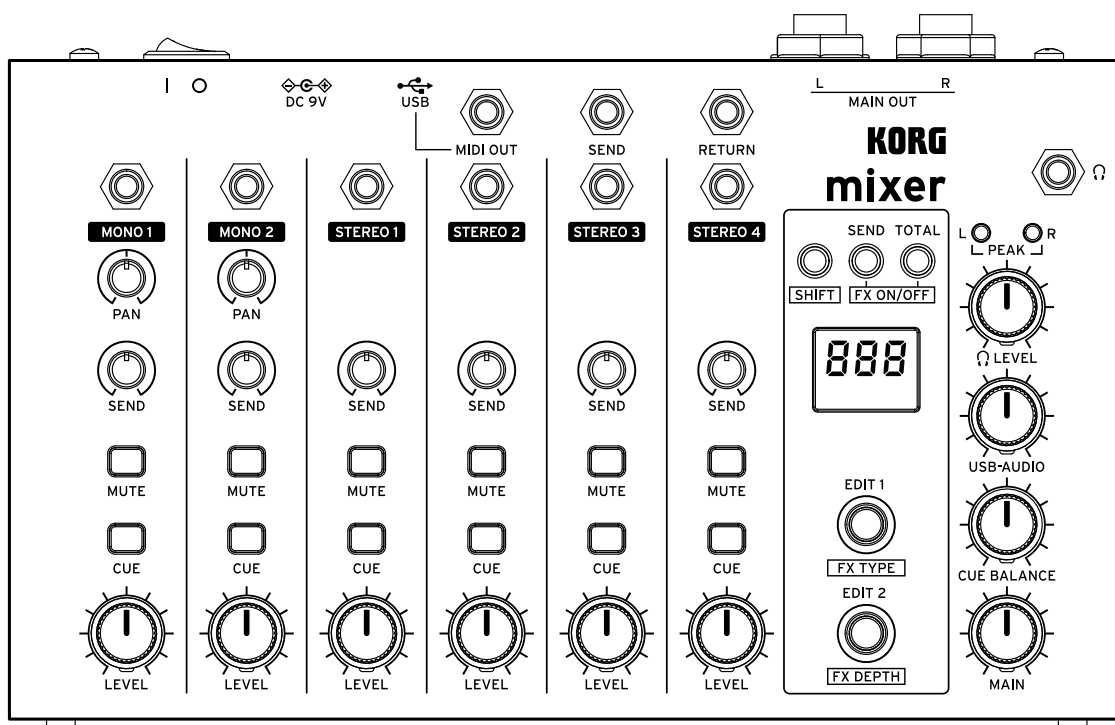


Nu:Tekt

NTS-4 mixer kit

PERFORMANCE MIXER KIT

Owner's Manual



* Before using the NTS-4 mixer kit, please read the Precautions (PDF) carefully to ensure proper use.

Supplementary contents

PDF [Precautions, Assembly Instructions](#)

MOVIE [NTS-4 mixer kit video manual](#)

HELP [Frequently asked questions](#)

Prod. [Product website](#)

Contents

Introduction.....	3
Conventions in this manual.....	4
Main features.....	5
Parts of the NTS-4 mixer kit.....	6
Top panel	7
Rear panel	10
Connecting and getting ready for use	11
Setup	12
Connecting your devices, turning on the power and adjusting the volume	12
Turning off the power and disconnecting your devices	13
Auto power-off function	14
USB-AUDIO and USB MIDI	15
Operating requirements (for USB connection).....	15
USB cables to use.....	15
Connecting a PC/Mac or iPhone/iPad.....	16
USB-AUDIO: mixing the sound of a PC/Mac or iPhone/iPad	16
USB-AUDIO: recording using a PC/Mac or iPhone/iPad	17
USB-MIDI: receiving MIDI messages	17
Transmitting MIDI messages from the MIDI OUT jack.....	18
Using effects	19
SEND FX.....	20
SEND and RETURN jacks	21
TOTAL FX	22
SEND FX effect types and parameters	23
TOTAL FX effect types and parameters.....	23
Global parameters.....	24
Making the settings.....	24
Level attenuator.....	25
Changing the jumper pin position before assembly	25
Appendices	26
Troubleshooting.....	27
Specifications	29
Operating requirements (for USB connection).....	30
MIDI implementation chart	31

Introduction

Thank you for purchasing the Nu:Tekt NTS-4 mixer kit.

To help you get the most out of your purchase, please read this manual carefully.

→[Conventions in this manual](#)

→[Main features](#)

Conventions in this manual

- The shapes and indications shown in the illustrations of this manual may differ somewhat from the actual product.
- The parameter values and other data shown in this manual are only for explanatory purposes, and may differ from the values shown in the display of your instrument.
- 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.

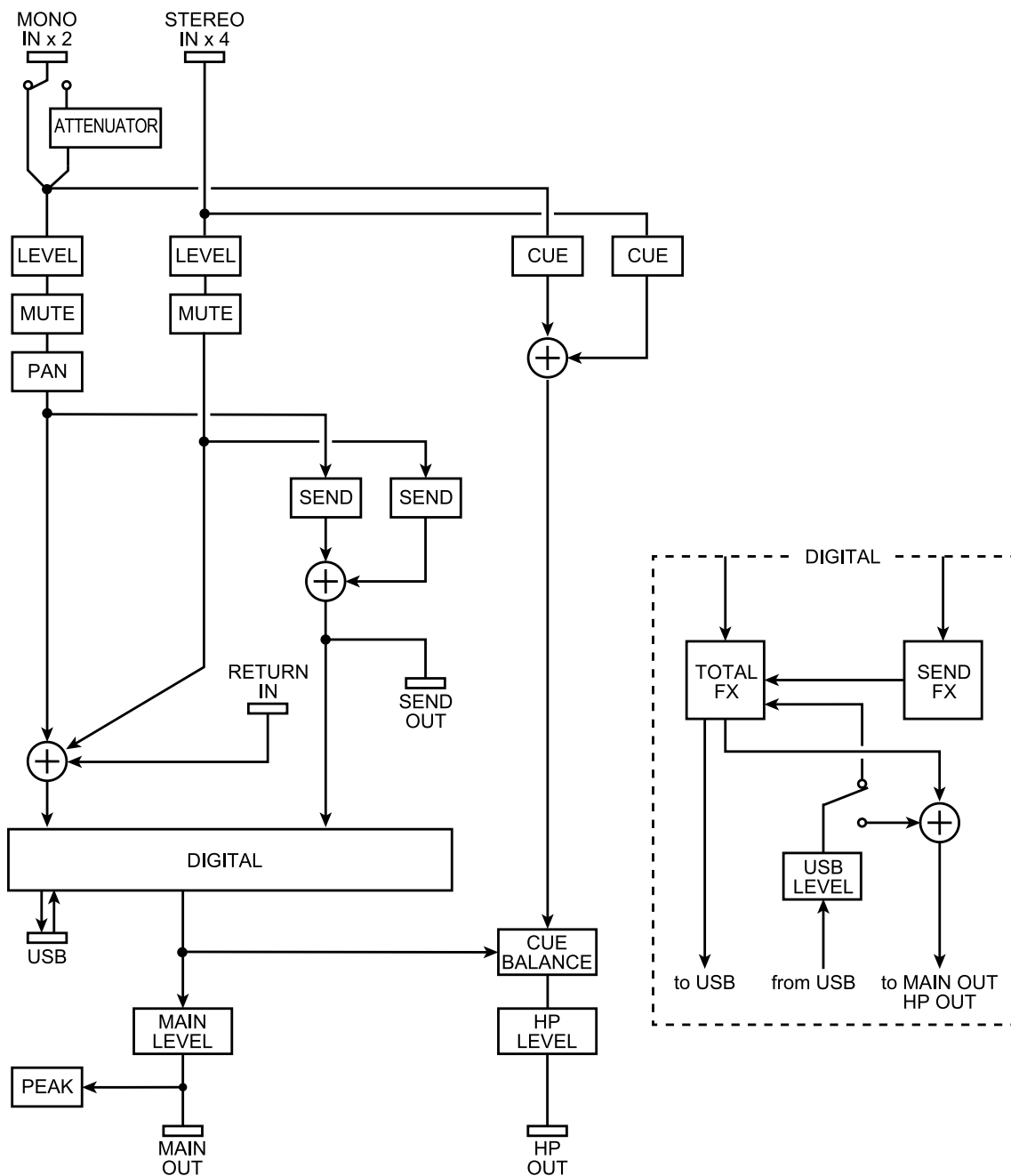
“ ”

Parameters shown in the display are indicated in quotation marks.

Main features

- The NTS-4 mixer kit is a compact DIY mixer kit that's easy to assemble.
- This unit features two monaural channels and four stereo channels, and features optimal performance as a gadget device.
- The unit features two built-in effects (SEND FX, TOTAL FX).
- The NTS-4 mixer kit supports USB-AUDIO, for mixing the sound from your PC/Mac or iPhone/iPad or for recording the audio you mix on this unit with your PC/Mac or iPhone/iPad.

Block diagram

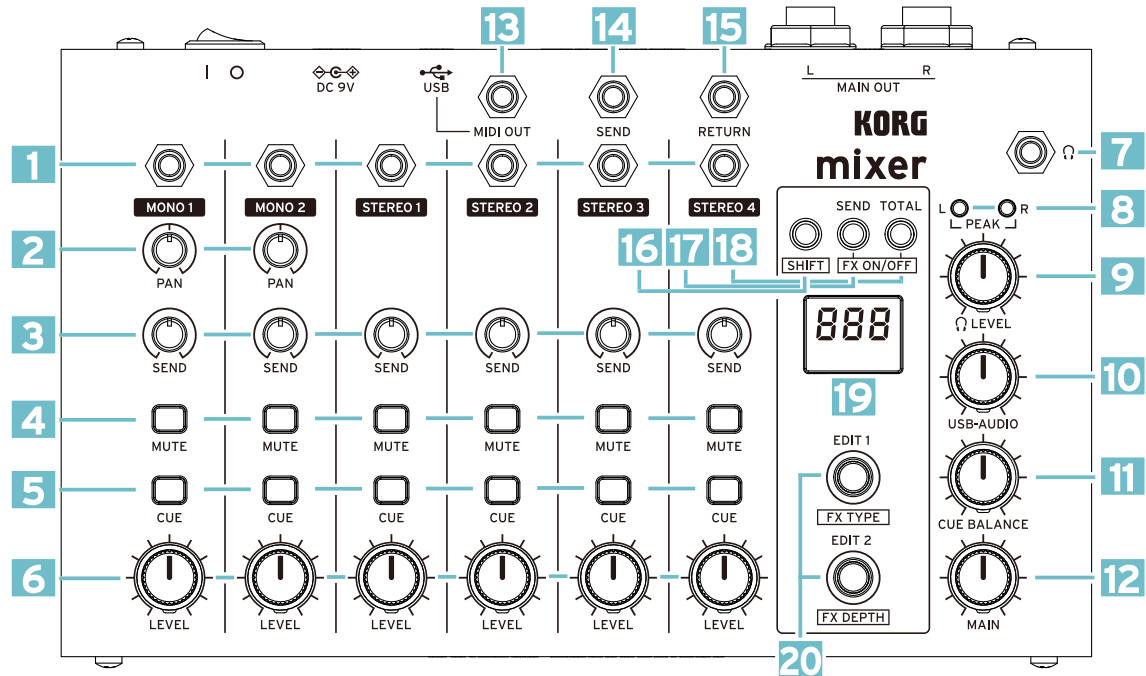


Parts of the NTS-4 mixer kit

→[Top panel](#)

→[Rear panel](#)

Top panel



1 Input jacks (MONO 1, MONO 2, STEREO 1, STEREO 2, STEREO 3, STEREO 4)

MONO 1, MONO 2: These are monaural channel input jacks (3.5 mm monaural mini-phone jack, unbalanced). Connect these to the monaural outputs of your input device.

STEREO 1-STEREO 4: These are stereo channel input jacks (3.5 mm stereo mini-phone jack, unbalanced). Connect these to the stereo outputs of your input device.

2 PAN knobs (only for MONO 1, MONO 2)

Adjusts the pan (left/right stereo position) of the sound. These can only be adjusted for monaural channels.

3 SEND knobs

Adjusts the signal level sent from the channels to the SEND bus (SEND FX, SEND jack). → [SEND button](#), → [SEND jack](#)

4 MUTE buttons

Enables/disables the MUTE function for each channel.

When these are enabled, all signals except for the signal sent to the CUE bus of that channel are silenced.

Note: When the CUE button is switched ON for a channel, you can monitor that channel via 🎧 (headphones), regardless of the MUTE setting. → [CUE buttons](#)

5 CUE buttons

Enables/disables the CUE function for each channel. The sound for channels whose CUE buttons are switched ON can always be heard in headphones, even if the LEVEL knobs and MUTE buttons are set so that no sound comes through the MAIN OUT jacks.

This feature is useful when you want to monitor the sound in headphones that's played next with-out affecting the sound that's currently output from the MAIN OUT jacks.

You can use the CUE BALANCE knob to monitor only the sound in headphones of the channels whose CUE button is switched ON, or monitor the audio mixed with the MAIN OUT signal. →[CUE BALANCE knob](#)

6 LEVEL knobs

These adjust the output level of signals input to the channels, and adjust the volume balance for the channels overall.

7 (headphones) jack

Connect your headphones to this jack (3.5 mm stereo mini-phone jack).

8 PEAK indicators (L/R)

Use these to check the peak levels for output. The LEDs light when the output of the MAIN OUT reaches or exceeds 0 dBu. L shows the peak level for the left channel, and R shows the peak level for the right channel.

9 (headphones) LEVEL knob

Adjusts the output volume from the (headphones) jack.

10 USB-AUDIO knob

Adjusts the level of the USB-AUDIO signal sent from the USB port. →[USB port \(USB Type-C\)](#)

11 CUE BALANCE knob

Adjusts the mix balance between the signal for channels that have the CUE function enabled (CUE button ON), and the signal that's output from MAIN OUT. This is only enabled for signals that are output from the headphones jack.

You can use this knob to monitor only the sound of the channels whose CUE button is switched ON, or monitor the audio mixed with the MAIN OUT signal. →[CUE buttons](#)

12 MAIN knob

Adjusts the level of signal output from the MAIN OUT jacks. →[MAIN OUT L/R jacks](#)

13 MIDI OUT jack

This jack (3.5 mm TRS mini-phone jack) outputs MIDI signals received on the USB port. →[USB port \(USB Type-C\)](#), →[Transmitting MIDI messages from the MIDI OUT jack](#)

14 SEND jack

This jack (3.5 mm stereo mini-phone jack, unbalanced) outputs the SEND bus signal. Use this to process audio with effects by connecting the jack to the input jack of an external effect unit or the like with a cable. →[SEND knobs](#)

15 RETURN jack

This jack (3.5 mm stereo mini-phone jack, unbalanced) inputs an external RETURN signal. Use this to return the signal processed by effects to this unit, by connecting the jack to the output jack of an external effect unit or the like with a cable.

16 SHIFT button

Turn a knob or press another button while holding down this button to switch between the built-in effect type or to turn the effects on/off.

17 SEND button

When you press this button, the SEND FX effect type is shown in the display. The edit target for the EDIT knobs (EDIT 1, EDIT 2) becomes SEND FX, and you can change the SEND FX effect type or edit the parameters.

→[SEND FX](#)

SHIFT button + SEND button: SEND FX on/off

By pressing the SEND button while holding down the SHIFT button, you can turn SEND FX on/off. The SEND button LED lights up when on, and goes dark when off.

Tip: When SEND FX is off, the display and the SEND button LED are darker than when SEND FX is on, so you can check the status even without pressing the SHIFT button.

18 TOTAL button

When you press this button, the TOTAL FX effect type is shown in the display. The edit target for the EDIT knobs (EDIT 1, EDIT 2) becomes TOTAL FX, and you can change the TOTAL FX effect type or edit the parameters.

→[TOTAL FX](#)

SHIFT button + TOTAL button: TOTAL FX on/off

By pressing the TOTAL button while holding down the SHIFT button, you can turn TOTAL FX on/off. The TOTAL button LED lights up when on, and goes dark when off.

Tip: When TOTAL FX is off, the display and the TOTAL button LED are darker than when TOTAL FX is on, so you can check the status even without pressing the SHIFT button.

19 Display

Shows the value and other information when you turn a knob or press a button.

20 EDIT knobs (EDIT 1, EDIT 2)

These knobs edit the parameters of the built-in effect selected for editing by pressing the SEND button or TOTAL button.

→[SEND FX effect types and parameters](#), →[TOTAL FX effect types and parameters](#)

SHIFT button + EDIT 1 knob: selects the effect type

These knobs switch the effect type of the built-in effect selected for editing by pressing the SEND button or TOTAL button.

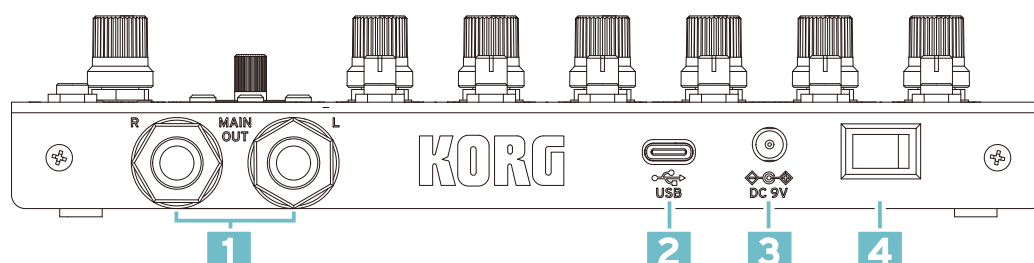
→[SEND FX effect types and parameters](#), →[TOTAL FX effect types and parameters](#)

SHIFT button + EDIT 2 knob: FX DEPTH

These knobs adjust the intensity of the built-in effect selected for editing by pressing the SEND button or TOTAL button.

→[SEND FX effect types and parameters](#), →[TOTAL FX effect types and parameters](#)

Rear panel



1 MAIN OUT L/R jacks

These jacks (6.3 mm TS phone jacks, unbalanced) output a linelevel audio signal. Connect your recording equipment, external powered monitor speakers, stereo amp or other audio equipment to these jacks. →[Setup](#)

2 USB port (USB Type-C)

USB bus power: Use the included USB cable to connect the unit to your PC/Mac, iPhone/iPad or to a commercially available USB standards-compliant adapter to supply power to this unit via USB. When you connect an AC adapter to the DC 9V jack, the power supplied from the DC 9 V jack is given priority. →[Setup](#)

USB-AUDIO: Lets you transmit and receive digital audio signals (48 kHz, 24-bit). Use the USB-AUDIO knob to adjust the volume of the signal that's received. →[USB-AUDIO knob](#), →[USB-AUDIO and USB MIDI](#)

USB-MIDI: Lets you receive MIDI signals. You can output the MIDI signals received here to the MIDI OUT jack. →[MIDI OUT jack](#), →[USB-AUDIO and USB MIDI](#)

3 DC 9V jack

Connect an AC adapter here (DC 9 V, , sold separately). →[Setup](#)



Be sure to use only the specified AC adapter. Using a different AC adapter may cause a malfunction or other issues.

4 Power switch

Turns the power on and off.→[Setup](#)



Use a cable that's no more than 3 m long when connecting your peripherals to this unit.

Connecting and getting ready for use

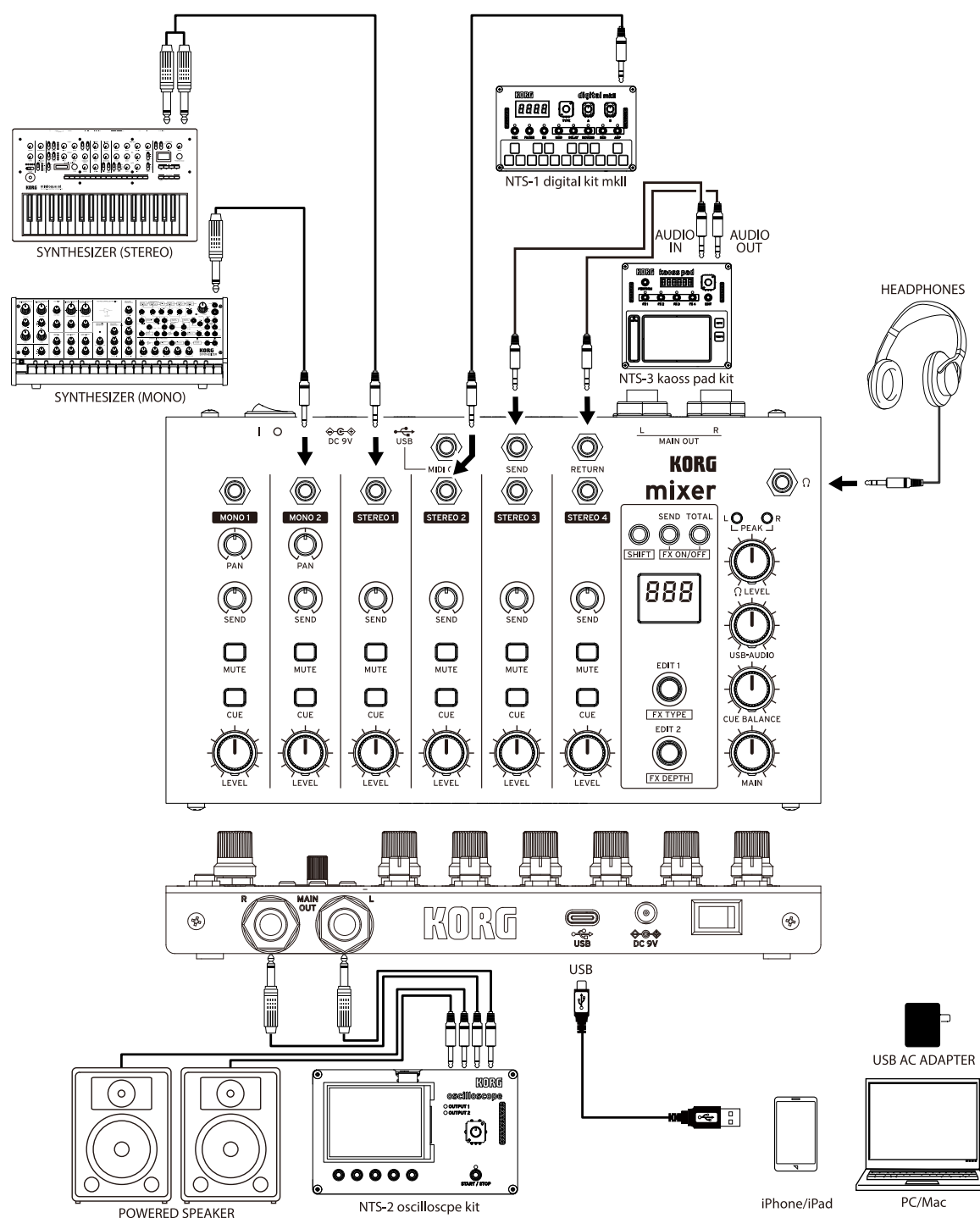
→[Setup](#)

→[USB-AUDIO and USB MIDI](#)

Setup

- ⚠** Before connecting external devices to this unit, make sure that all devices are turned off. If you connect these devices while they are still on, this may cause your powered monitor speakers or other external devices to malfunction, or cause damage.

Connecting your devices, turning on the power and adjusting the volume



- 1 Turn off all devices before you connect them (musical instruments, powered speakers, etc.).

- 2 Connect your devices by following the example shown.
- 3 Make sure that the power switch on the rear panel of the NTS-4 mixer kit is off. →[Power switch](#)
- 4 Turn the LEVEL and MAIN knobs on the top panel all the way down (counterclockwise) to minimize the volume. →[LEVEL knobs](#), →[MAIN knob](#)
- 5 Connect the NTS-4 mixer kit to the USB port on your PC/Mac, iPhone/iPad or commercially available USB standards-compliant adapter with a USB cable. →[USB cables to use](#)
- 6 Turn on all equipment that's connected to the input jacks, SEND jacks and RETURN jacks on the top panel.
- 7 Turn the power on with the power switch on the rear panel of the NTS-4 mixer kit. →[Power switch](#)
- 8 Turn on the power of the output devices that are connected to the MAIN OUT jacks (such as powered speakers). →[MAIN OUT L/R jacks](#)
- 9 Turn the MAIN knob clockwise to raise the volume. →[MAIN knob](#)
- 10 Gradually turn the LEVEL knob clockwise to raise the volume of the channels you are using, while outputting sound on your connected devices. →[LEVEL knobs](#)
Note that when the MUTE button of a channel is switched on, that channel will not make sound, so make sure that the MUTE buttons are off. →[MUTE buttons](#)

- ⚠ Never plug in or unplug the cables or turn the power on/off while the unit is ready to make sound.
- ⚠ Before plugging in or unplugging cables for certain channels, or when turning the power of your connected devices on/off, always ensure the channel's LEVEL knob is turned all the way counterclockwise, or that the MUTE button is switched on to ensure no sound is output. It's better to turn the MAIN knob all the way down so that no sound is heard from the entire unit.
- ⚠ The sound may distort if the PEAK indicators keep lighting up.
- ⚠ Use a cable that's no more than 3 m long when connecting your peripherals to this unit.
- ⚠ The type of USB cable you use depends on the type of PC/Mac, iPhone/iPad or USB AC adapter you are using. →[USB cables to use](#)
- ⚠ Make sure to use a standards-compliant USB AC adapter. Note that some standards-compliant USB AC adapters might not operate correctly.
- ⚠ If you have connected this unit to a PC/Mac or iPhone/iPad with a USB cable, the power supply may be unstable due to insufficient USB bus power. If this happens, unplug any unnecessary USB devices from your PC/Mac or iPhone/iPad. If the power supply is still unstable, plug an AC adapter (DC 9 V, , sold separately) into the DC 9V jack on the rear panel.
- ⚠ You may hear added noise when using the mixer, caused by the USB power supply situation. If this happens, use a commercially available USB AC adapter, or plug an AC adapter (DC 9 V, , sold separately) into the DC 9V jack.

| Turning off the power and disconnecting your devices

- 1** Turn the LEVEL and MAIN knobs on the top panel of the NTS-4 mixer kit all the way down (counterclockwise) to minimize the volume. →[LEVEL knobs](#), →[MAIN knob](#)
- 2** Turn off the output devices that are connected to the MAIN OUT jacks (such as powered speakers).
- 3** Turn the power off with the power switch on the rear panel of the NTS-4 mixer kit. →[Power switch](#)
- 4** Turn off all equipment that's connected to the input jacks, SEND jacks and RETURN jacks on the top panel.
- 5** Unplug all cables connected to the input/output jacks of the NTS-4 mixer kit, as well as the USB cable.

| Auto power-off function

The NTS-4 mixer kit is equipped with an auto power-off function. If the power is left on for a set period of time without any sound being input/output, the unit turns off automatically. The time interval is set to 20 minutes at factory default.

To modify the auto power-off function, set the Auto Power Off global parameter. →[Setting the auto power-off function](#)

USB-AUDIO and USB MIDI

Connecting the NTS-4 mixer kit to your PC/Mac or iPhone/iPad via USB cable lets you do the following.

- You can use the NTS-4 mixer kit via USB bus power. →[Connecting your devices, turning on the power and adjusting the volume](#)
- You can use USB-AUDIO to transmit and receive digital audio signals (48 kHz, 24-bit) to/from your PC/Mac or iPhone/iPad. →[USB-AUDIO: mixing the sound of a PC/Mac or iPhone/iPad](#), →[USB-AUDIO: recording using a PC/Mac or iPhone/iPad](#)
- You can use USB-MIDI to output the MIDI messages received from your PC/Mac or iPhone/iPad to the MIDI OUT jack. →[USB-MIDI: receiving MIDI messages](#), →[Transmitting MIDI messages from the MIDI OUT jack](#)

| Operating requirements (for USB connection)

When connecting to a PC (Windows), Mac (macOS) or an iPhone/iPad (iOS), both USB-AUDIO and USB-MIDI operate using the standard drivers supplied by each OS.

See the Korg website for the latest information on OS support.

<https://www.korg.com/support/os/>



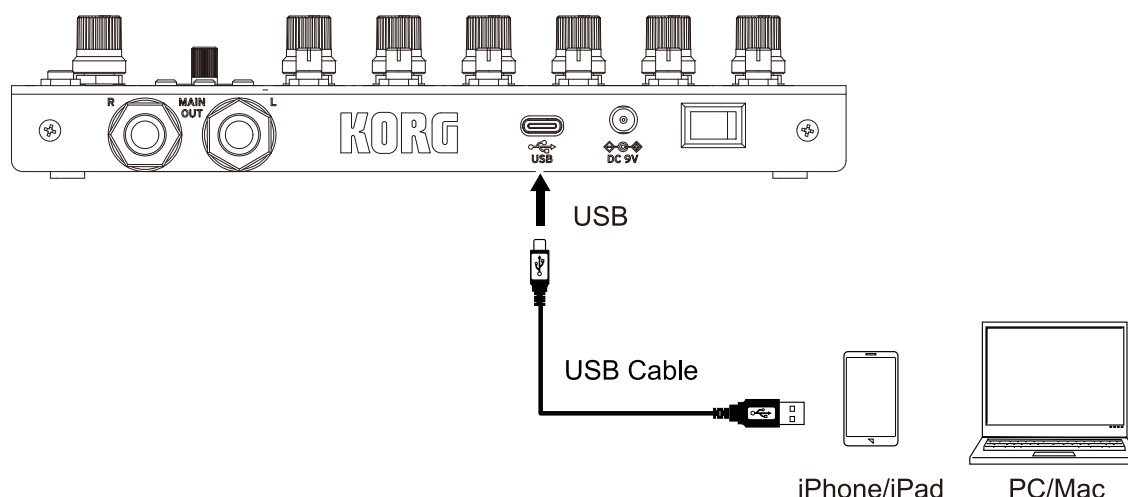
Not all devices that meet these operating requirements are guaranteed to work.

| USB cables to use

- When connecting to a PC/Mac with a USB Type-A connector, use the included USB Type-C to Type-A cable.
- When connecting to a PC/Mac or an iPhone/iPad with a USB Type-C connector, use a commercially available USB Type-C to Type-C cable.
- When connecting to an iPhone/iPad with a USB Lightning connector, use the included USB Type-C to Type-A cable along with a genuine Apple Lightning-USB 3 Camera Adapter.

Connecting a PC/Mac or iPhone/iPad

- Connect the USB-C port on the NTS-4 mixer kit to your PC/Mac or iPhone/iPad with a USB cable.
→[USB cables to use](#)
- ⚠** When connecting to a PC/Mac or iPhone/iPad, you may hear a loud noise depending on the settings. To avoid this, turn the volume all the way down (counterclockwise) using the MAIN knob on the NTS-4 mixer kit before connecting.



USB-AUDIO: mixing the sound of a PC/Mac or iPhone/iPad

Follow the steps below to mix the audio that's playing back on a PC/Mac or iPhone/iPad with the NTS-4 mixer kit.

- 1 Turn the USB-AUDIO and MAIN knobs on the NTS-4 mixer kit all the way down (counterclockwise) to minimize the volume. Also, turn the volume all the way down on your PC/Mac or iPhone/iPad.
- 2 Connect the USB port on the NTS-4 mixer kit to your PC/Mac or iPhone/iPad with a USB cable. Once the NTS-4 mixer kit is connected to your PC/Mac or iPhone/iPad, the PC/Mac or iPhone/iPad will recognize it as a USB audio device. →[USB port \(USB Type-C\)](#)
- 3 Select "NTS-4 MIXER" as the playback device for the application running on your PC/Mac or iPhone/iPad.
- 4 Play some audio on your PC/Mac or iPhone/iPad, and raise the volume a little.
- 5 Turn the USB-AUDIO and MAIN knobs on the NTS-4 mixer kit clockwise a little bit at a time to raise the volume. You should hear sound from the speakers or headphones connected to the NTS-4 mixer kit.
- 6 Adjust the volume on your PC/Mac or iPhone/iPad and on the NTS-4 mixer kit.

| USB-AUDIO: recording using a PC/Mac or iPhone/iPad

Follow the steps below to record the audio of the NTS-4 mixer kit with an application on your PC/Mac or iPhone/iPad.

- 1** Turn the USB-AUDIO and MAIN knobs on the NTS-4 mixer kit all the way down (counterclockwise) to minimize the volume. Also, turn the volume all the way down on your PC/Mac or iPhone/iPad.
- 2** Connect the USB port on the NTS-4 mixer kit to your PC/Mac or iPhone/iPad with a USB cable. Once the NTS-4 mixer kit is connected to your PC/Mac or iPhone/iPad, the PC/Mac or iPhone/iPad will recognize it as a USB audio device. →[USB port \(USB Type-C\)](#)
- 3** Select “NTS-4 MIXER” as the recording device for the application running on your PC/Mac or iPhone/iPad.
- 4** Adjust the mix balance by turning up the MAIN knob, the LEVEL knobs for the channels you are using on the NTS-4 mixer kit and so forth, a little bit at a time to an appropriate volume.
- 5** Adjust the recording level on your PC/Mac or iPhone/iPad.
- 6** Use the application running on your PC/Mac or iPhone/iPad to record the audio from the NTS-4 mixer kit.

| USB-MIDI: receiving MIDI messages

You can use the NTS-4 mixer kit to output the MIDI messages received from your PC/Mac or iPhone/iPad to the MIDI OUT jack. Follow the steps below to connect.

- 1** Turn the USB-AUDIO and MAIN knobs on the NTS-4 mixer kit all the way down (counterclockwise) to minimize the volume. Also, turn the volume all the way down on your PC/Mac or iPhone/iPad.
- 2** Connect the USB port on the NTS-4 mixer kit to your PC/Mac or iPhone/iPad with a USB cable. →[USB port \(USB Type-C\)](#)

Transmitting MIDI messages from the MIDI OUT jack

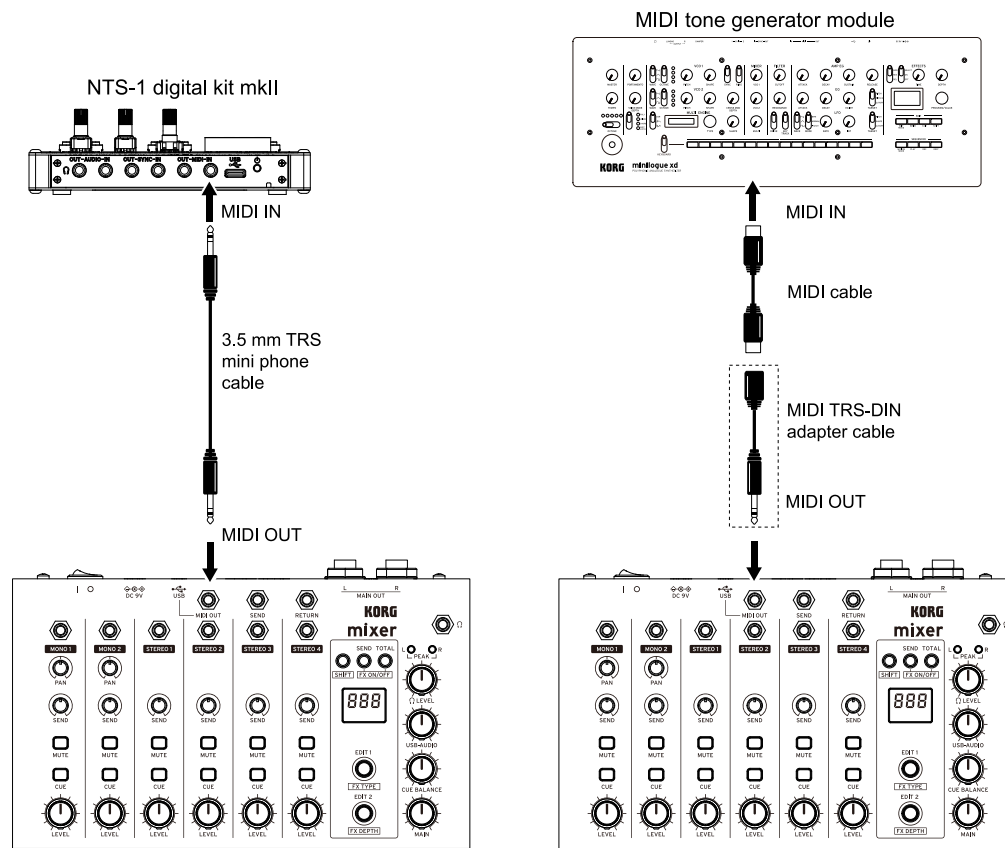
- Connect the MIDI OUT jack (3.5 mm TRS mini-phone jack) of the NTS-4 mixer kit to the MIDI IN jack or connector of your external device.

When connecting to the MIDI jack (3.5 mm TRS mini-phone jack) of an external device, use a commercially available 3.5 mm TRS mini phone cable. → [MIDI OUT jack](#)

When connecting to a MIDI connector (5-pin DIN) on an external device, use a commercially available MIDI TRS-DIN adapter cable (3.5 mm TRS mini phone to 5-pin DIN female) and a MIDI cable (5-pin DIN). You can also use a MIDI TRS-DIN cable (3.5 mm TRS mini phone to 5-pin DIN male).

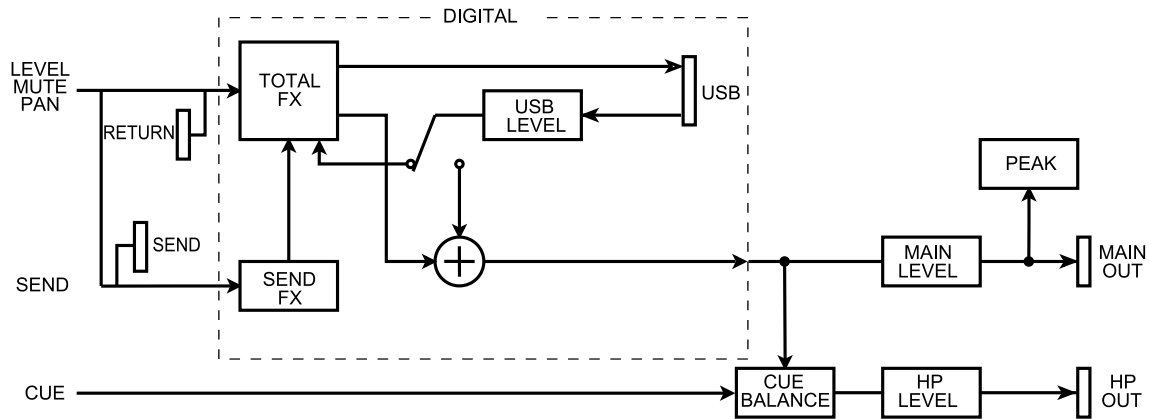


Be sure to use only a TRS MIDI A cable for TRS to 5-pin DIN conversion. TRS MIDI B cables cannot be used.



Using effects

The NTS-4 mixer kit features two built-in effect sections (SEND FX and TOTAL FX). You can also connect external effect units by using the SEND and RETURN jacks.



→ [SEND FX](#)

→ [SEND and RETURN jacks](#)

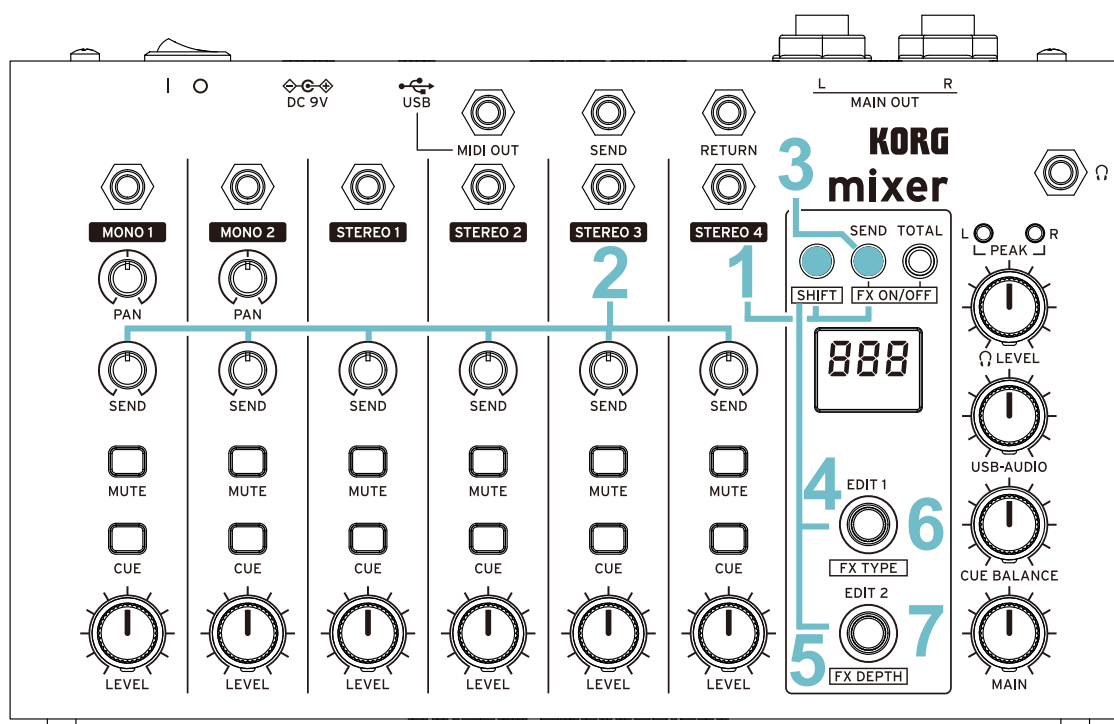
→ [TOTAL FX](#)

→ [SEND FX effect types and parameters](#)

→ [TOTAL FX effect types and parameters](#)

SEND FX

This is a built-in send/return type stereo effect. Use this when you want to apply effects such as reverb, delay or chorus to the SEND bus signal that's sent from each channel.

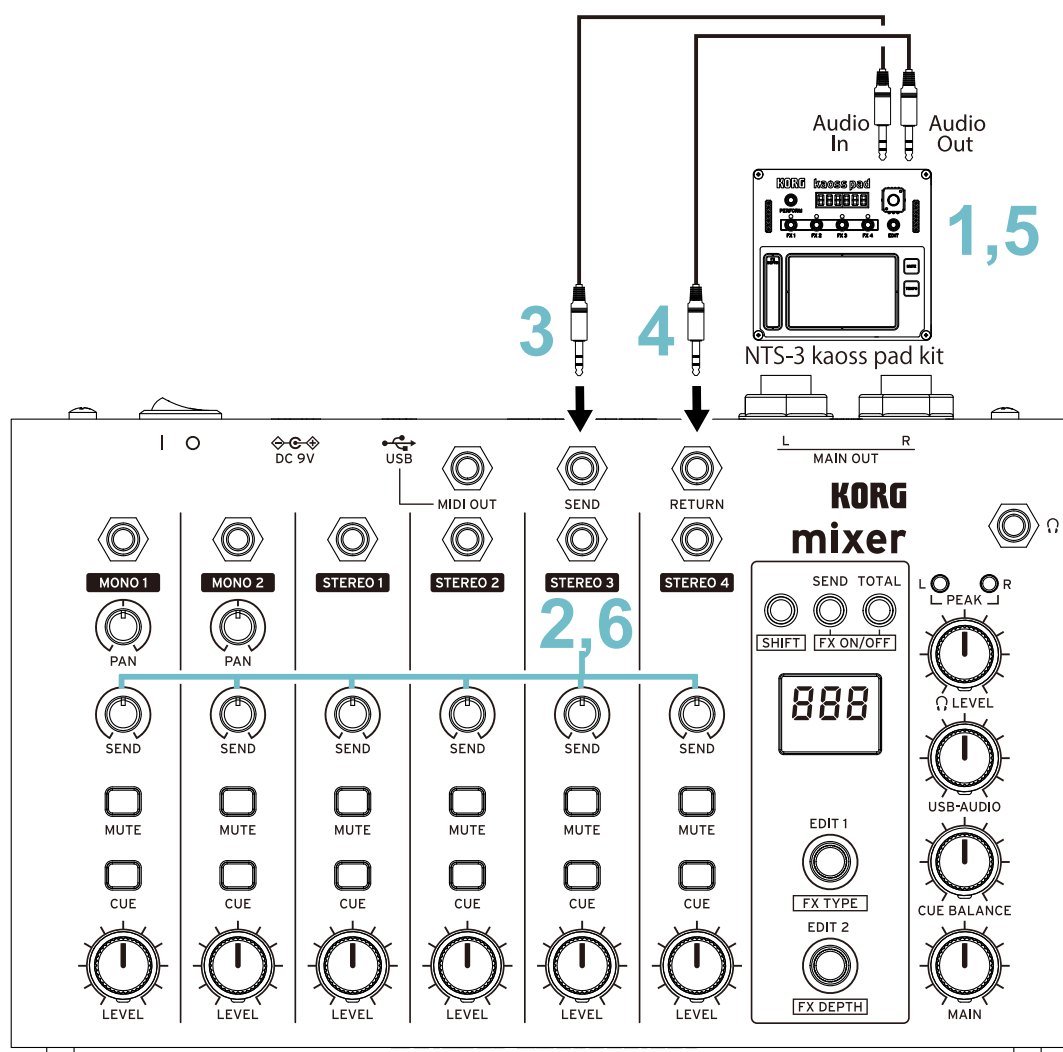


- 1 Turn SEND FX on by pressing the SEND button while holding down the SHIFT button on the top panel.
When you press the SHIFT button, its LED lights up. If the SEND FX button's LED is unlit at that time, SEND FX is off. Press the SEND button while holding down the SHIFT button to turn SEND FX on. If the SEND FX button's LED is already lit at that time, go to step 2. →[SEND button](#)
 - 2 Turn the SEND knob clockwise on the channel you want to send to SEND FX to increase the send level. →[SEND knobs](#)
 - 3 Press the SEND button. When you press this button, the SEND FX effect type is shown in the display. The edit target for the EDIT knobs (EDIT 1, EDIT 2) becomes SEND FX, and you can change the SEND FX effect type or edit the parameters. →[SEND button](#)
 - 4 Turn the EDIT 1 knob while holding down the SHIFT button to select the SEND FX effect type. The effect type name that's shown in the display changes. →[SEND FX effect types and parameters](#)
 - 5 Turn the EDIT 2 knob while holding down the SHIFT button to adjust the FX DEPTH (the amount of RETURN signal) for SEND FX. Turning the knob clockwise increases the RETURN signal, and makes the SEND FX effect more prominent. Turning the knob all the way counterclockwise sets the RETURN signal to zero, eliminating the SEND FX effect. Here, we set the value so that the SEND FX effect can be heard, and go to step 6. →[SEND FX effect types and parameters](#)
- Note:* The RETURN signal from SEND FX is sent to TOTAL FX, and output to MAIN OUT, USB-AUDIO and the headphones.
- 6 Turn the EDIT 1 knob to adjust the EDIT 1 parameters of the SEND FX. →[SEND FX effect types and parameters](#)
 - 7 Turn the EDIT 2 knob to adjust the EDIT 2 parameters of the SEND FX. →[SEND FX effect types and parameters](#)

- ⚠ You can't apply the SEND FX to the audio signal that's input from the USB port.
- ⚠ The CUE buttons can be used to monitor only the sound without SEND FX applied.

SEND and RETURN jacks

The SEND and RETURN jacks are 3.5 mm stereo mini-phone unbalanced jacks. You can use an external effect unit as a send-return type stereo effect, as with the built-in SEND FX effect. Use this when you want to apply effects from the external effect unit to the SEND bus signal that's sent from each channel.



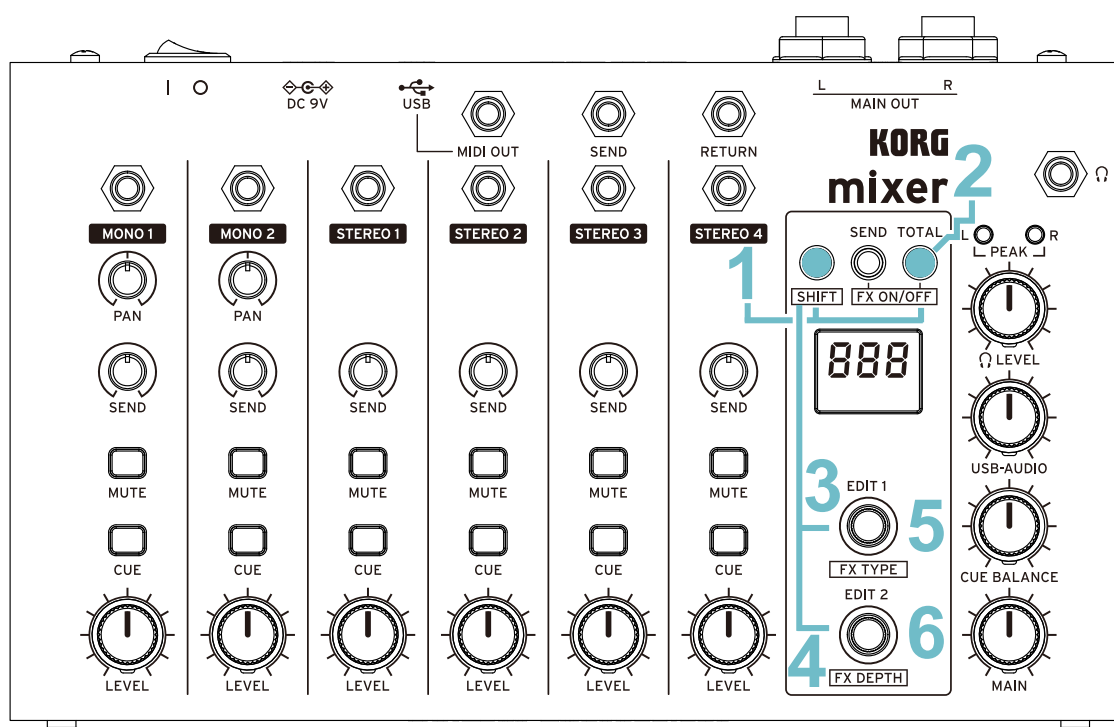
- 1 Turn off the power of the external effect unit that you are connecting.
- 2 Turn the SEND knobs for all of the channels all the way down (counterclockwise) to minimize the volume of signal sent to the SEND bus.
- 3 Connect the SEND jack on the top panel to the INPUT jacks of your external effect unit. →[SEND jack](#)
- 4 Connect the OUTPUT jacks of your external effect unit to the RETURN jack on the top panel of this unit. →[RETURN jack](#)
- 5 Turn on the power of the external effect unit that you are connecting.

- 6 Turn the SEND knob clockwise on the channel you want to send to the external effect to increase the send level. → [SEND knobs](#)

- ⚠ Before plugging in or unplugging cables, or when turning the power of your connected devices on/off, always ensure the channel's LEVEL knob is turned all the way counterclockwise, or that the MUTE button is switched on to ensure no sound is output. It's better to turn the MAIN knob all the way down so that no sound is heard from the entire unit.
- ⚠ You can't output the audio signal that's input from the USB port to the SEND jacks.
- ⚠ The CUE buttons can be used to monitor only the sound without the external effect unit's effects that are applied via SEND/RETURN.

TOTAL FX

This is a built-in stereo effect that is applied to all channels. A variety of effect types are available, including filters, dynamics, modulation, reverb and so forth.



- 1 Turn TOTAL FX on by pressing the TOTAL button while holding down the SHIFT button on the top panel.
When you press the SHIFT button, its LED lights up. If the TOTAL FX button's LED is unlit at that time, TOTAL FX is off. Press the TOTAL button while holding down the SHIFT button to turn TOTAL FX on. If the TOTAL FX button's LED is already lit at that time, go to step 2. → [TOTAL button](#)
- 2 Press the TOTAL button. When you press this button, the TOTAL FX effect type is shown in the display. The edit target for the EDIT knobs (EDIT 1, EDIT 2) becomes TOTAL FX, and you can change the TOTAL FX effect type or edit the parameters. → [TOTAL button](#)
- 3 Turn the EDIT 1 knob while holding down the SHIFT button to select the TOTAL FX type. The effect type name that's shown in the display changes. → [TOTAL FX effect types and parameters](#)
- 4 Turn the EDIT 2 knob while holding down the SHIFT button to adjust the DEPTH for TOTAL FX. This mainly adjusts the balance between the dry (the sound without effects) and wet (the sound with effects applied) signals. Turn the knob clockwise to increase the wet sound. Turning the knob

all the way counterclockwise sets the wet signal to zero, eliminating the TOTAL FX effect. Here, we set the value so that the TOTAL FX effect can be heard, and go to step 5. → [TOTAL FX effect types and parameters](#)

5 Turn the EDIT 1 knob to adjust the EDIT 1 parameters of the TOTAL FX. → [TOTAL FX effect types and parameters](#)

6 Turn the EDIT 2 knob to adjust the EDIT 2 parameters of the TOTAL FX. → [TOTAL FX effect types and parameters](#)

⚠ You can also apply TOTAL FX to the input signal from USB-AUDIO, the signal to which SEND FX is applied, and the signal from an external effect unit that uses the SEND/RETURN jacks.

You can also exclude the USB-AUDIO input signal from TOTAL FX. To do this, change the settings in the global parameters. → [Setting whether TOTAL FX is applied to the USB-AUDIO input signal](#)

⚠ The CUE buttons can be used to monitor only the sound without TOTAL FX applied.

SEND FX effect types and parameters

NAME (Display)	EDIT1	EDIT2	FX DEPTH
DELAY (dLY)	Time	Feedback	Output
PING PONG DELAY (dLP)	Time	Feedback	Output
HALL REVERB A (rU1)	High Damp	Size	Output
HALL REVERB B (rU2)	Low Cut	Size	Output
SLAP REVERB A (rU3)	Spread	Size	Output
SLAP REVERB B (rU4)	Spread	Size	Output
CHORUS (LHo)	Rate Freq	Depth	Output

TOTAL FX effect types and parameters

NAME (Display)	EDIT1	EDIT2	FX DEPTH
LPF (LPP)	Cutoff Freq	Resonance	Dry/Wet
HPF (HPP)	Cutoff Freq	Resonance	Dry/Wet
ISOLATOR (ISO)	High Gain	Low Gain	Dry/Wet
FLANGER (FLU)	Rate Freq	Depth	Dry/Wet
PHASER (PHR)	Rate Freq	Depth	Dry/Wet
DECIMATOR (dEL)	Tone Freq	Depth	Dry/Wet
DRIVE (dLU)	Tone Freq	Drive	Dry/Wet
DISTORTION (dSt)	Tone Freq	Drive	Dry/Wet
COMPRESSOR (LNP)	Attack Time	Depth	Dry/Wet
LIMITER (LLE)	Knee	Depth	Dry/Wet

Global parameters

Turn the power switch on while holding down the SHIFT button to configure the following global parameters.

Making the settings

- 1 Turn the MAIN knob on the NTS-4 mixer kit all the way down (counterclockwise) to minimize the output volume.
- 2 Turn off all devices (such as powered speakers) that are connected to the MAIN OUT jacks of the NTS-4 mixer kit.
- 3 Turn the power switch on the rear panel on while holding down the SHIFT button.
- 4 Turn the EDIT 1 knob to select the global parameter to edit.
- 5 Turn the EDIT 2 knob to change the values.
- 6 Press the TOTAL FX button to restart the NTS-4 mixer kit. Your changes to the settings are saved automatically.
- 7 Turn on the power of the output devices that are connected to the MAIN OUT jacks (such as powered speakers).
- 8 Turn the MAIN knob clockwise to adjust the volume.

Setting the auto power-off function

EDIT 1: Auto Power-Off (AP_O)

EDIT 2: oFF (oFF), 4H (4H), 20m (20m)

The NTS-4 mixer kit is equipped with an auto power-off function. If the power is left on for a set period of time without any sound being input/output, the unit turns off automatically. The time interval is set to 20 minutes at factory default.

You can select one of these settings: “oFF” (disabled), “4H” (4 hours) or “20 m” (20 minutes).

Note: The unit may consume more power if you set the auto power-off function to “oFF”.

Setting whether TOTAL FX is applied to the USB-AUDIO input signal

EDIT 1: USB-AUDIO Routing (U_SB)

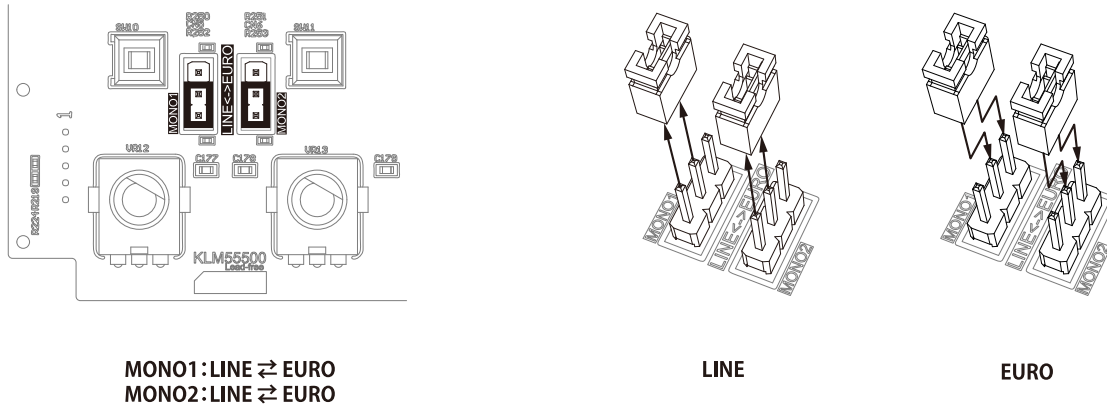
EDIT 2: oFF (oFF), on (on)

With the factory default settings, the NTS-4 mixer kit applies TOTAL FX to the input signal from USB-AUDIO (→[TOTAL FX](#)). You can change this setting to modify the routing so that TOTAL FX is not applied to the input signal from USB-AUDIO.

When this is “oFF”, TOTAL FX is not applied to the input signal from USB-AUDIO.

Level attenuator

⚠ The change in jumper pin position that is explained below should only be made when inputting the EURORACK output to the NTS-4 mixer.



Changing the jumper pin position before assembly

The EURORACK output level is higher than typical line-level devices. Because of this, you can change the position of the jumper pin on the main circuit board as shown in the illustration above before assembling the NTS-4 mixer, so that the MONO 1 and MONO 2 channel inputs correspond to the EURORACK outputs.

Change the jumper pin position before assembling this unit. See the Assembly Instructions for the assembly steps.

⚠ If you change the jumper pin position, the volume may be insufficient when connecting typical line-level devices because the MONO 1 and MONO 2 channel volumes are lower. If you might need to connect line-level devices to the MONO 1 and MONO 2 channels, we recommend that you do not change the jumper pin position, and instead reduce the volume on the EURORACK.

Appendices

→[Troubleshooting](#)

→[Specifications](#)

→[Operating requirements \(for USB connection\)](#)

→[MIDI implementation chart](#)

Troubleshooting

Please check the following points if you experience problems.

The unit does not turn on (when supplying power via the USB port from a PC/Mac or iPhone/iPad)

- The USB bus power may be insufficient. Try unplugging any unnecessary USB devices from your PC/Mac or iPhone/iPad. If the power supply is still unstable, use a commercially available USB AC adapter, or plug an AC adapter (sold separately) into the DC 9V jack on the rear panel.
- Is the AC adapter that's plugged into the DC 9V jack disconnected from the AC outlet? If so, unplug the AC adapter from the DC 9V jack.
- Part K (the power switch) may not have been connected correctly during assembly. Refer to the Assembly Instructions.

The unit does not turn on (when supplying power via the USB port from a USB AC adapter)

- Is the USB AC adapter connected to an AC outlet? Check the connections.
- Make sure to use a standards-compliant USB AC adapter. Note that some standards-compliant USB AC adapters might not operate correctly.
- Is the AC adapter that's plugged into the DC 9V jack disconnected from the AC outlet? If so, unplug the AC adapter from the DC 9V jack.
- Part K (the power switch) may not have been connected correctly during assembly. Refer to the Assembly Instructions.

The unit does not turn on (when supplying power via the DC 9V jack from a separately sold AC adapter)

- Is the AC adapter plugged into the AC outlet? Check the connections.
- Be sure to use only the specified AC adapter. Using a different AC adapter may cause a malfunction or other issues.
- Part K (the power switch) may not have been connected correctly during assembly. Refer to the Assembly Instructions.

No sound

- Have the knobs on the NTS-4 mixer kit (MAIN,  (headphones) LEVEL, LEVEL for each channel, USB-AUDIO, CUE BALANCE) been set as appropriate?
- Are the MUTE buttons and CUE buttons for each channel set so that sound can be heard?
- Have you correctly connected the jacks to your powered speakers, amp or headphones?
- Is the powered monitor amp or similar equipment to which this unit is connected turned on, and is the volume turned up so that you can hear them?
- Are the external equipment such as musical instruments connected properly to the input jacks?
- Are there any shorts or breaks in the cables you are using to connect external devices such as musical instruments?
- Part L (the output jacks) may not have been connected correctly during assembly. Refer to the Assembly Instructions.

Sound is too low, distorted or unexpected sounds are heard

- Have the knobs on the NTS-4 mixer kit (MAIN,  (headphones) LEVEL, LEVEL for each channel, USB-AUDIO, CUE BALANCE) been set as appropriate?
- Has the volume on the musical instruments connected to the input jacks, as well as the volume on the powered speakers or amp connected to the output jacks been adjusted appropriately?

- The effects might have been set to extreme values. Try turning the effects off. If the effects are the cause of the problem, adjust the parameters. →[Using effects](#)

Noise is mixed in

- Check on the NTS-4 mixer kit whether the cables to and from the MAIN OUT jacks,  (headphones) jack, input jacks from the powered speakers or amp, headphones and so on are connected correctly.
- Check whether the cables to the input jacks for each channel and the cables outputted from your musical instruments and so forth have been connected correctly.
- Check whether there are any devices that may be emitting noise (such as those emitting radio waves, like cellphones) have been placed close to the cables.
- Check the condition of the cables (whether there are bad plugs, shorts in the connection, etc.).
- You may hear noise in addition to the mixer sound when powering this unit via USB bus power, which is caused by the power supply situation. If this happens, use a commercially available USB AC adapter, or plug an AC adapter (DC 9 V, , sold separately) into the DC 9V jack.

Specifications

Output jacks and connectors

MAIN OUT L, R jacks (6.3 mm monaural phone jack, unbalanced)

🎧 (headphones) jack (3.5 mm stereo mini-phone jack, unbalanced)

SEND jack (3.5 mm stereo mini-phone jack, unbalanced)

Input jacks

MONO 1, MONO 2 jacks (3.5 mm monaural mini-phone jack, unbalanced)

STEREO 1, STEREO 2, STEREO 3, STEREO 4 jacks (3.5 mm stereo mini-phone jack, unbalanced)

RETURN jack (3.5 mm stereo mini-phone jack, unbalanced)

Other jacks and ports

MIDI OUT jack (3.5 mm TRS mini-phone jack)

USB port (USB Type-C)

Built-in effects

SEND FX: DELAY, PING PONG DELAY, HALL REVERB A, HALL REVERB B, SLAP REVERB A, SLAP REVERB B, CHORUS

TOTAL FX: LPF, HPF, ISOLATOR, FLANGER, PHASER, DECIMATOR, DRIVE, DISTORTION, COMPRESSOR, LIMITER

Display

7-segment LED display (3 digits)

Power supply

USB bus power

AC adapter (DC 9 V, )

No-load power consumption

0.1 W at 230 V

Dimensions (W x D x H)

195 x 125 x 38 mm / 7.68" x 4.92" x 1.50"

Weight

613 g / 1.35 lb

Included items

USB Type-C to Type-A cable, Precautions/Assembly Instructions

Accessory (sold separately)

AC adapter (DC 9 V, )

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

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

Operating requirements (for USB connection)

See the Korg website for the latest information on OS support.

<https://www.korg.com/support/os/>

MIDI implementation chart

[PERFORMANCE MIXER KIT]

Model: NTS-4 mixer kit

MIDI Implementation Chart

Date: Mar. 1. 2026

Version: 1.00

Function...	Transmitted	Recognized	Remarks
Basic Channel	Default X Changed X	X X	
Mode	Default X Messages X Altered *****	X X	
Note Number	True voice X *****	X X	
Velocity	Note On X Note Off X	X X	
After Touch	Key's X Channel X	X X	
Pitch Bend	X	X	
Control Change	0-127 X	X	
Program Change	True Number X *****	X X	
System Exclusive	O	O	*1
System Common	Song Position X Song Select X Tune Request X	X X X X	
System Real Time	Clock X Commands X	X X	
Aux Messages	Local On/Off X All Notes Off X Active Sensing O System Reset X	X X X X	
Notes *1: Support only Inquiry message.			

Mode 1: Omni On, Poly

Mode 3: Omni Off, Poly

Mode 2: Omni On, Mono

Mode 4: Omni Off, Mono

O: Yes

X: No

Consult your local Korg distributor for more information on MIDI implementation.

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Published 04/2026