Roland

V-Drums

TD-27

DRUM SOUND MODULE

Quick Start

Quick Start (this document)

This explains basic use of the TD-27, such as playing the drums and practicing.

PDF Manuals (download from the web)

- **Reference Manual**
  In addition to the content of this document, this explains all the functionality of the TD-27, such as functions for live performance and for recording.
- **Data List**
  This explains all of the TD-27's parameters and how to edit them.
- **MIDI Implementation**
  This is detailed information about MIDI messages that you can use when connecting the TD-27 with MIDI devices.

To obtain the PDF manuals

1. **Enter the following URL in your computer.**
   https://www.roland.com/support/
2. **Search for TD-27.**
3. **Download the manual as directed by the screen.**

Video Manual

You can view a quick start video.

To access the "Video Manual"

http://roland.cm/td-27qs

English
日本語
Deutsch
Français
Italiano
Español
Português
Nederlands

Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (the leaflet "USING THE UNIT SAFELY" and the Owner's Manual (p. 30). After reading, keep the document(s) where it will be available for immediate reference.

Bluetooth®

Main Specifications

Roland TD-27: Drum Sound Module

Drum Kits	100 (Preset: More than 50)
Instruments	More than 700
User Sample Import	Number of User Sample: Maximum 500 (includes factory preloaded user samples) Sound Length (total): 24 minutes in mono, 12 minutes in stereo File formats that can be loaded: WAV (44.1 kHz, 16/24 bits)
Effect Types	Pad Compressor: each pad Pad Equalizer: each pad Overhead Mic Simulator Room/Reverb Multi-Effects: 3 systems, 30 types Master Compressor Master Equalizer
Bluetooth	Supported standards: Bluetooth Ver 4.2 Supported profile: A2DP (Audio), GATT (MIDI over Bluetooth Low Energy) Codec: SBC (Support to the content protection of the SCMS-T method)
Song Player (SD Card)	File format: WAV (44.1 kHz, 16/24 bits), MP3 *1
Recorder	Recording Method: Realtime Maximum length: 60 min (temporary recording: 3 min) *2 File format: WAV (44.1 kHz, 16 bits)
Display	Graphic LCD 256 x 80 dots
Power Supply	AC adaptor (DC 9 V)
Current Draw	770 mA
Dimensions	238 (W) x 204 (D) x 79 (H) mm 9-3/8 (W) x 8-1/16 (D) x 3-1/8 (H) inches
Weight (excluding AC adaptor)	1.1 kg / 2 lbs 7 oz
Accessories	Quick Start Leaflet "USING THE UNIT SAFELY" AC adaptor Dedicated connection cable Sound module mounting plate Wing bolt (M5 x 10) x 2
Options (sold separately)	Pads: PD series, PDX series, BT series Cymbals: CY series Kick: KD series, KT series Hi-hat: VH-14D, VH-13, VH-11, VH-10 Hi-hat control pedal: FD series Acoustic drum trigger: RT series Footswitch: BOSS FS-5U, FS-6 Personal drum monitor: PM series Noise eater: NE series

*1: Audio files must be saved on an SD card.

*2: Song recording is required SD card. The case of no inserted is capable to record the temporary recording approximately 3 minutes.

* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

Contents

Panel Descriptions

Display

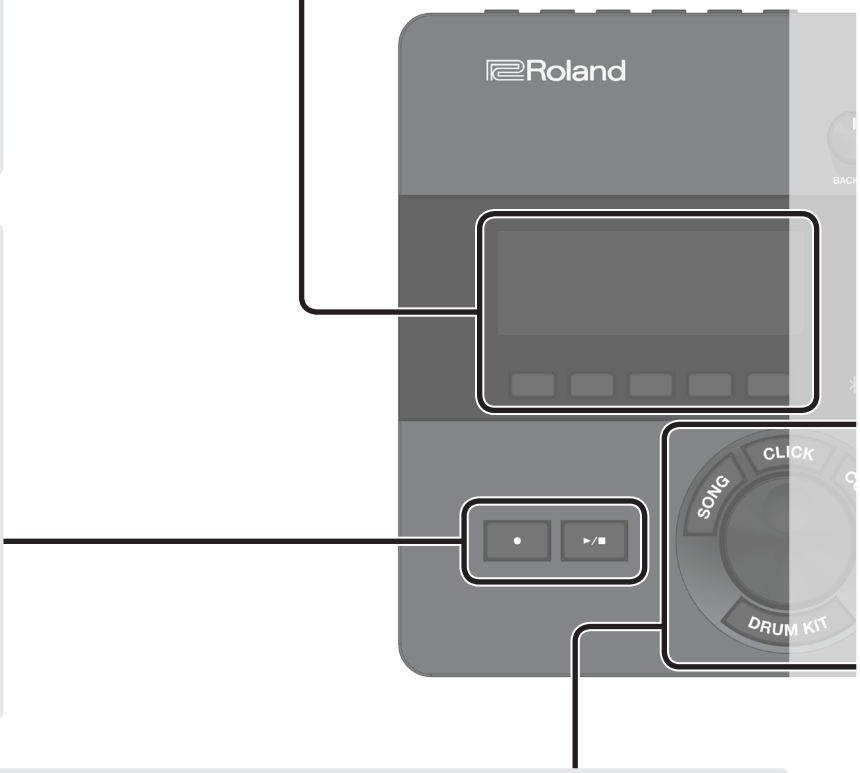
This shows various information depending on the operation.

A short time after you turn on the power, the DRUM KIT screen (basic screen) appears.

➡ "Selecting a Drum Kit" (p. 13)

Function button ([F1]–[F5])

The function of these buttons will change depending on the screen. The names of the current functions are shown in the bottom of the screen.



[●] button

This button record your performance.

➡ "Recording" (p. 19)

[►/■] button

Plays/stops the built-in song or recorded performance data, or starts/stops recording.

➡ "Performing Along with a Song" (p. 14)
➡ "Recording" (p. 19)

[SONG] button

Lets you make song-related settings, such as demo performances or backing (accompaniment) songs.

➡ "Performing Along with a Song" (p. 15)

[CLICK] button

Allows you to sound the click (metronome), or to make settings for the tempo or beat.

➡ "Sounding a Click (Metronome)" (p. 16)

[COACH] button

Lets you use the coach menu to practice drums in a way that's appropriate for your performance skill level.

➡ "Practicing in Coach Mode" (p. 16)

[Drum KIT] button

Accesses the basic screen where you can select drum set sounds (drum kits).

You can also press this to return to the basic screen from another screen.

➡ "Selecting a Drum Kit" (p. 13)

Dial

In the DRUM KIT screen (basic screen), turn the dial to select drum set sounds (drum kits).

This is also used to change the value of the parameter selected by the cursor buttons.

[BACKING] knob

Adjusts the volume of the built-in song or the click (metronome), and the volume of a smartphone connected to the MIX IN jack or via Bluetooth.

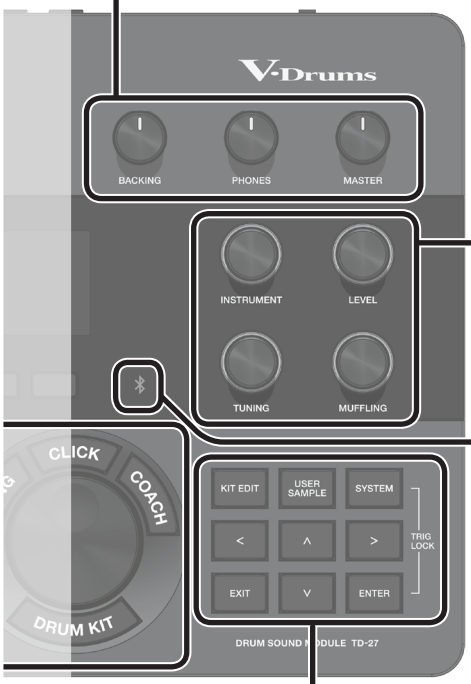
➡ "Performing Along with a Song" (p. 14)
➡ "Sounding a Click (Metronome)" (p. 16)

[PHONES] knob

Adjusts the volume of headphones connected to the PHONES jack.

[MASTER] knob

Adjusts the volume of amplified speakers etc. connected to the MASTER OUT jacks.



Sound modify knob ([INSTRUMENT], [LEVEL], [TUNING], [MUFFLING])

Select the sound (instrument) of a pad, adjust the volume (level) or pitch (tuning) of the selected instrument, or adjust the decay length (muffling).

➡ "Editing a Drum Kit" (p. 21)

Bluetooth indicator

The LED indicates the Bluetooth connection status.

You can wirelessly connect a smartphone or other device, and play the drums while a song plays back from your smartphone.

Unlit	Bluetooth is not connected
Blinking	Pairing is in progress
Lit	Bluetooth audio is connected * Rapidly blinks several times when connecting or disconnecting.

➡ "Performing Along with a Song from Your Smartphone" (p. 14)
➡ "Recording Your Performance Along with a Song" (p. 19)

* If you are using TD-27 connected with a smartphone app, the appearance of the indicator will be different. For details, refer to "Reference Manual" (PDF).

[KIT EDIT] button

You can shape the sound in various ways, such as customizing the drum itself by changing the type of head or the shell depth, or by adjusting the reverberation.

➡ "Editing a Drum Kit" (p. 21)

[USER SAMPLE] button

Audio files that you created on your computer can be imported into the TD-27, and played as instrument.

➡ "Importing and Playing Audio Files (USER SAMPLE)" (p. 23)

[SYSTEM] button

Lets you make system settings for the TD-27.

➡ "Various Settings (SYSTEM)" (p. 25)

[EXIT] button

Cancels an operation. Alternatively, returns to the previous screen.

Cursor buttons [<][>][^][v]

Move the on-screen cursor up/down/left/right to select a parameter.

[ENTER] button

Confirms an operation or value. Alternatively, proceeds to the next screen.

By holding down the [ENTER] button and pressing the [SYSTEM] button, you can lock the pad you're editing so that it will not be switched (Trig Lock function).

Connect Your Equipment

Rear Panel

[POWER] switch

Turns the power on/off.

➡ "Turning the Power On/Off" (p. 8)

MIDI connector (IN, OUT/THRU)

Connect these to external MIDI devices such as an external sound module.

Use MIDI cables (commercially available) to make these connections.

➡ "Reference Manual" (PDF)

DAW software etc. (receiving device)

(transmitting device)

MIX IN jack

Connect your audio player or smartphone here. You can perform or record along with a song that's saved on the smartphone.

➡ "Performing Along with a Song from Your Smartphone" (p. 14)
➡ "Recording Your Performance Along with a Song" (p. 19)

DIRECT OUT jack (1, 2)

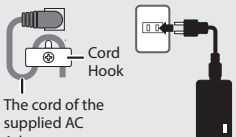
Connect these to your mixer etc.

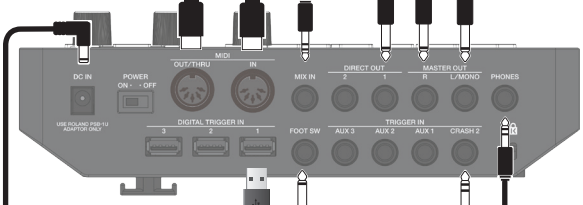
➡ "Reference Manual" (PDF)

DC IN jack

Connect the included AC adaptor here.

* Use the cord hook located on the bottom of the unit to secure the AC adaptor cord as shown in the illustration.





MASTER OUTPUT jack (L/MONO, R)

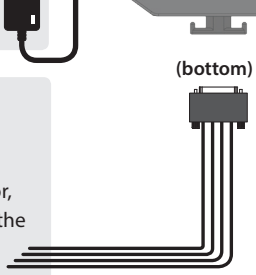
Connect them to amplified speakers etc. (sold separately).

* If you're outputting in mono, connect only the L/MONO jack.

(bottom)

TRIGGER INPUT jack

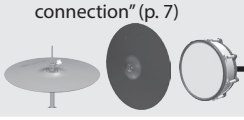
Connect the included dedicated connection cable to this connector, and use it to connect the pads and pedals.



DIGITAL TRIGGER IN jack (1, 2, 3)

Connect pads that support digital connection (e.g., PD-140DS, CY-18DR or VH-14D).

➡ "Settings for pads that support digital connection" (p. 7)



FOOT SW jack

You can use a footswitch (BOSS FS-5U, FS-6; sold separately) to control the unit in various ways, such as operating a pedal to recall drum kits.

➡ "Reference Manual" (PDF)

TRIGGER IN jack (CRASH 2, AUX 1–AUX 3)

Connect a crash cymbal to CRASH 2. Use AUX 1–AUX 3 to add more types of pads.

PHONES jack

Connect headphones (sold separately).

* Even if headphones are connected, sound will still be output from the MASTER OUTPUT jacks.

* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

Side Panel

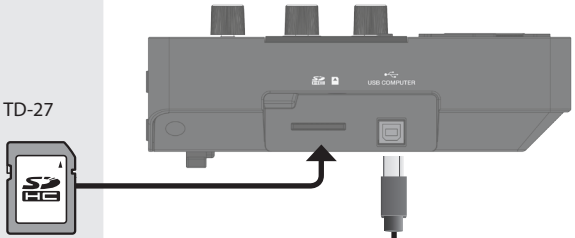
SD CARD slot

Insert a commercially available SD card (SDHC cards (up to 32 GB) are supported).

You can use an SD card to store songs for backing (accompaniment) or to store settings of the TD-27 itself. You can also use it to import user samples and or save performance data that you recorded.

➡ "Formatting an SD Card" (p. 25)
➡ "Performing Along with a Song" (p. 15)
➡ "Recording" (p. 19)
➡ "Importing and Playing Audio Files (USER SAMPLE)" (p. 23)
➡ "Backing Up Data" (p. 26)

* Before using an SD card for the first time, you must format it on the TD-27 (p. 25).
* Never turn off the power or remove the SD cards while the screen indicates "Processing..." or "Now Saving...".
* Some SD card types or SD cards from some manufacturers may not record or play back properly on the unit.



USB COMPUTER port

Connect this to your computer. Use a USB cable (commercially available) to make this connection.

You can use DAW software (commercially available) to record a TD-27 performance as audio or MIDI, or you can use the TD-27 to hear sound that's played back from the computer.

➡ "Reference Manual" (PDF)

Settings for pads that support digital connection

The first time that a pad that supports digital connection is connected to a DIGITAL TRIGGER IN port, the following screen appears.

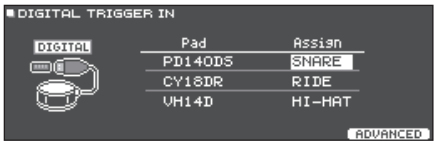
Following the instructions in the screen, make settings to specify the trigger input to which the connected pad should be assigned.

* If you specify the same trigger input as a pad that is connected to a dedicated connection cable or TRIGGER IN jack, the pad that's connected to that TRIGGER INPUT jack and TRIGGER IN jack won't produce sound.

Reference

For details, refer to "Reference Manual" (PDF).

1. Use the cursor buttons to select "OK", and press the [ENTER] button.



2. Use the cursor buttons to select the pad that you want to specify, and use the dial to specify the Assign.

* You can't specify the same assignment multiple times.

Setting example

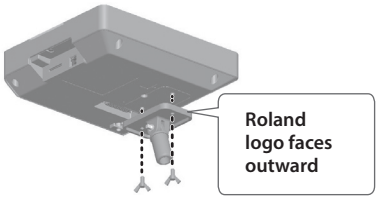
Pad	Assign
PD140DS	SNARE
CY18DR	RIDE
VH14D	HI-HAT

3. Press the [DRUM KIT] button to return to the DRUM KIT screen.

Getting Ready

Mounting the TD-27 on the Stand

Use the included sound module mounting plate to attach the TD-27 to a drum stand (e.g., MDS Series; sold separately). Use the included wing bolts to attach the plate as shown in the illustration.



* Use only the included wing bolts. Using any other bolts will cause malfunctions.
* When turning the unit over, be careful so as to protect the buttons and knobs from damage. Also, handle the unit carefully; do not drop it.

MEMO

The All Purpose Clamp (APC-33; sold separately) can be attached to a pipe of 10.5–28.6 mm radius in case you want to mount the TD-27 on a cymbal stand or other such stand.

Turning the Power On/Off

* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

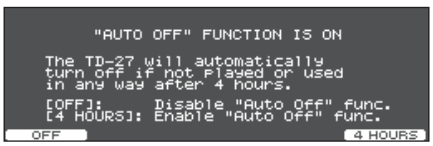
Turning the Power On

1. Connect headphones (sold separately) or amplified speakers (sold separately) to the TD-27.

* If amplified speakers are connected, minimize the volume of the amplified speakers.

2. On the TD-27's rear panel, turn the [POWER] switch ON.

When you turn the TD-27 on, the following screen appears.



In this screen you can make settings to specify whether the power will automatically turn off after a predetermined amount of time (AUTO OFF function).

Button	Explanation
[F1] (OFF)	The power does not turn off automatically.
[F5] (4 HOURS)	When four hours have passed without any pad being struck or any operation being performed, the unit will turn off automatically.

* If the AUTO OFF function is set to "OFF", this screen won't appear.
* The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (AUTO OFF function).

  If you do not want the power to be turned off automatically, disengage the AUTO OFF function (p. 27).

  To restore power, turn the power on again.

3. If amplified speakers are connected, turn on the power of the amplified speakers.

4. Use the [PHONES] knob to adjust the volume of the headphones, and use the [MASTER] knob to adjust the volume of the amplified speakers.

Turning the Power Off

NOTE

Settings that you edit on the TD-27 are saved when you turn off the unit. Be sure to turn off the unit by turning the [POWER] switch.

1. If amplified speakers are connected to the TD-27, minimize the volume of amplified speakers and turn off their power.

2. Turn the TD-27's [POWER] switch OFF.

The screen will indicate "Please wait. Now saving...", and the unit will turn off when the settings have been saved.

Making Hi-Hat Settings

If you're using the hi-hat (VH-14D, VH-13 or VH-10/VH-11), adjust the offset on the TD-27.

This adjustment is required for hi-hat pedal movements such as open or close to be detected correctly.

➡ If you want to make fine adjustments to the hi-hat sensitivity etc., refer to "Reference Manual" (PDF).

Settings for the VH-14D

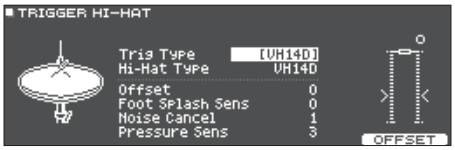
1. Press the [SYSTEM] button.

2. Use the cursor buttons to select "TRIGGER", and then press the [ENTER] button.

3. Use the cursor buttons to select "HI-HAT", and then press the [ENTER] button.

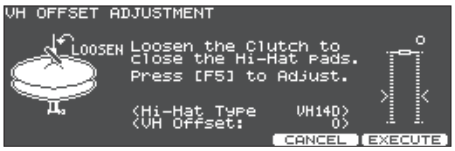
The TRIGGER HI-HAT screen appears.

* "VH-14D" is not shown as a Trig Type when the VH-14D is not connected or if it is not assigned as the hi-hat. In this case, connect the VH-14D and assign it as the hi-hat.



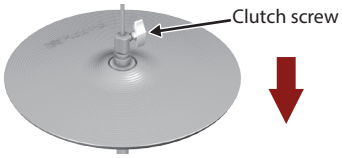
4. Press the [F5] (OFFSET) button.

The VH OFFEST ADJUSTMENT screen appears.

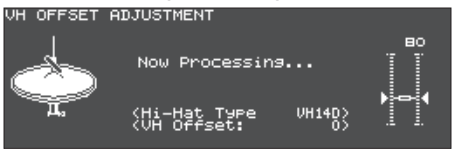


5. Loosen the clutch screw of the top cymbal and let it sit on the bottom cymbal.

* Do NOT touch the hi-hats or the pedal.



6. Press the [F5] (EXECUTE) button.



The "VH Offset" parameter is set automatically (approx. 3 seconds).

7. Press the [KIT] button to return to the DRUM KIT screen.

Checking the System Program Version of the Drum Sound Module

You may need to update the system version of your drum sound module before using the VH-14D with the TD-27.

Check whether your sound module meets the following conditions.

- TD-27: Ver. 1.11 or later

If the current version is less than the one shown above, update the system.

1. Press the [SYSTEM] button.

The SYSTEM screen appears.

2. Use the Cursor buttons to select "INFO", and then press the [ENTER] button.

The information screen appears.

3. Press the [F1] (PROGRAM) button to display the program version.

How to get the update (system program)

1. Enter the following URL in your computer.

https://www.roland.com/support/

2. Choose "TD-27" as the product name.

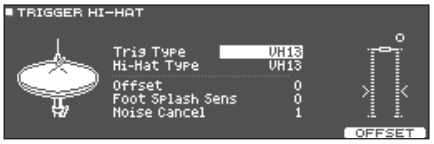
Settings for the VH-13

1. Press the [SYSTEM] button.

2. Use the cursor buttons to select "TRIGGER", and press the [ENTER] button.

3. Use the cursor buttons to select "HI-HAT", and press the [ENTER] button.

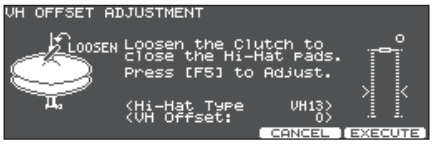
The TRIGGER HI-HAT screen appears.



4. Use the dial to set the Trig Type to "VH13".

5. Press the [F5] (OFFSET) button.

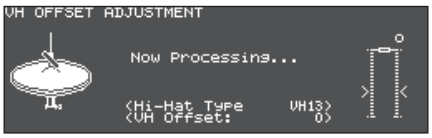
The VH OFFSET ADJUSTMENT screen appears.



6. Loosen the clutch screw of the top hi-hat and let it sit on the bottom hi-hat.

* Do NOT touch the hi-hats or the pedal.

7. Press the [F5] (EXECUTE) button.

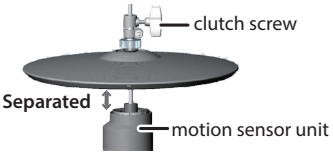


The "VH Offset" parameter is set automatically (approx. 3 seconds).

8. Press the [DRUM KIT] button to return to the DRUM KIT screen.

Settings for the VH-10 / VH-11

1. With the hi-hat completely separated from the motion sensor unit, power-on the TD-27.



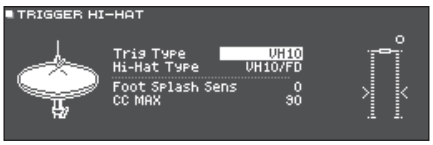
2. Loosen the clutch screw and let the hi-hat rest naturally on the motion sensor unit.

3. Press the [SYSTEM] button.

4. Use the cursor buttons to select "TRIGGER", and press the [ENTER] button.

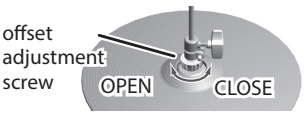
5. Use the cursor buttons to select "HI-HAT", and press the [ENTER] button.

The TRIGGER HI-HAT screen appears.

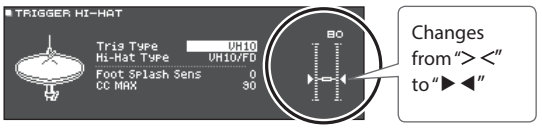


6. Use the dial to set the Trig Type to "VH10".

7. While reading the meter displayed on the right side of the TD-27's screen, adjust the offset with the VH-10's offset adjustment screw.



Adjust the offset so that the ▶ ◀ appear in the meter.



8. Fasten the clutch screw at a position where the hi-hat sways naturally when struck.

9. Press the [DRUM KIT] button to return to the DRUM KIT screen.

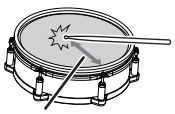
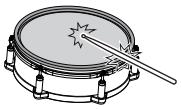
About Performance Techniques

The TD-27 lets you use various performance techniques just as on acoustic drums.

NOTE

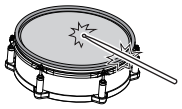
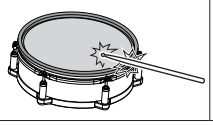
- Use only wooden or plastic sticks. Using a carbon or metal stick may cause the sensor to malfunction.
- Use nylon brushes. Using metal brushes may cause the sensor to malfunction, and may scratch the pad.

Snare / Toms

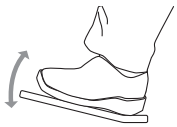
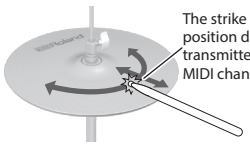
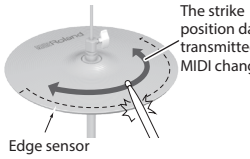
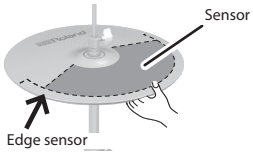
Playing method		Explanation
Head shot	 Tone changes depending on strike point	Hit only the head of the pad. For a certain snare drum, the tone will change naturally as you move the strike location from the center of the head toward the rim.
Rim shot		Strike the head and the rim of the pad simultaneously. A sound (rim sound) different than the head shot will be heard.
Cross stick		Strike the rim while placing your hand on the head. Snare sounds can produce different sounds in response to different playing techniques; for example they can produce a rim sound when played using a rim shot, or a cross-stick sound when played using a cross-stick technique. Either connect a pad that supports the rim shot to "SN" of the dedicated connection cable, or connect a pad (such as the PD-140DS) that supports digital connection and allows cross-stick playing technique, and assign it to snare. * On units other than the PD-140DS, strike only the rim so as not to touch the head. * On some snare sounds, it might not be possible to play separate sounds in this way.
Playing with brushes		You can use brushes to scrape the head (brush sweep). Either connect a pad with a mesh head to "SN" of the dedicated connection cable, or connect a pad (such as the PD-140DS) that supports digital connection and allows brush playing technique, and assign it to snare. In addition, assign an instrument that supports brush techniques to the head of the snare, and turn the Brush Switch "ON". ➡ For details, refer to "Reference Manual" (PDF).

Change the nuance of the rim shot

With certain snare and tom sounds, slight changes in the way you play rim shots changes the nuance.

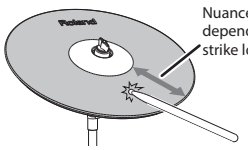
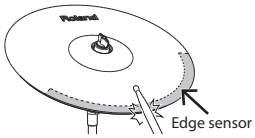
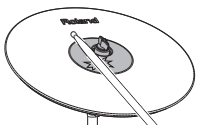
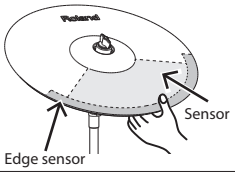
Playing method		Explanation
Normal rim shot (Open rim shot)		Strike the head and rim simultaneously.
Shallow rim shot		Simultaneously strike the head near the rim and the rim itself.

Hi-Hat

Playing method		Explanation
Open/closed		The hi-hat tone changes smoothly from open to closed in response to how far the pedal is pressed. You can also play a foot-close sounded by pressing the pedal, or a foot-splash sounded by pressing the pedal and then immediately opening it. Depending on the instrument, you can also express the tonal change that occurs when you strike in the closed position and then open immediately.
Pressure (VH-14D, VH-13)		When you strike the hi-hat while pressing on the pedal with the hi-hat closed, you can then change the closed tone in response to the pressure you place on the pedal. * The VH-10, VH-11, FD-9, and FD-8 do not respond to pressure.
Bow shot		This playing method involves striking the middle area of the top hi-hat. It corresponds to the sound of the "head-side" of the connected trigger input. If you are using a pad that distinguishes between where you strike it (such as the VH-14D), the strike position data transmitted via MIDI changes, depending on what part of the bow you strike. * This does not make the sound change.
Edge shot		This playing method involves striking the edge of the top hi-hat with the shoulder of the stick. When played as shown in the illustration, the "rim-side" sound of the connected trigger input is triggered. If you are using a pad that distinguishes between where you strike it (such as the VH-14D), the strike position data transmitted via MIDI changes, depending on what part of the edge you strike. * This does not make the sound change. * Striking directly on the edge (i.e., exactly from the side) will not produce the correct sound. Strike as shown in the illustration.
Choke play		If you use your hand to choke (grasp) the edge sensor after striking the cymbal, the sound stops. With the VH-14D, the sound stops (is muted) even if you simply place your hand on the sensor detection area. When you strike the cymbal in the choked state, the sound is shorter.

* Do not strike the bottom of the top hi-hat, and do not strike the bottom hi-hat. Doing so will cause malfunctions.

Cymbals

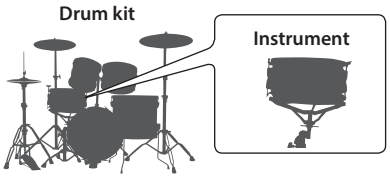
Playing method		Explanation
Bow shot		This is the most common playing method, playing the middle area of the cymbal. It corresponds to the sound of the "head-side" of the connected trigger input. For specific ride sounds, the tonal nuance changes depending on the point at which you strike the bow.
Edge shot		This playing method involves striking the edge with the shoulder of the stick. When played as shown in the illustration, the "rim-side" sound of the connected trigger input is triggered.
Bell shot		This is the method of striking the bell. When the bell area shown in the illustration is struck, the bell sound is heard. Either connect a pad that supports ride three-way triggering to "RD" and "RDB" of the dedicated connection cable, or connect a pad (such as the CY-18DR) that supports digital connection and allows bell shot playing technique, and assign it to ride.
Choke play		If you use your hand to choke (grasp) the edge sensor after striking the cymbal, the sound stops. On the CY-18DR, placing your hand on the sensor will also stop the sound. When you strike the cymbal in the choked state, the sound is shorter.

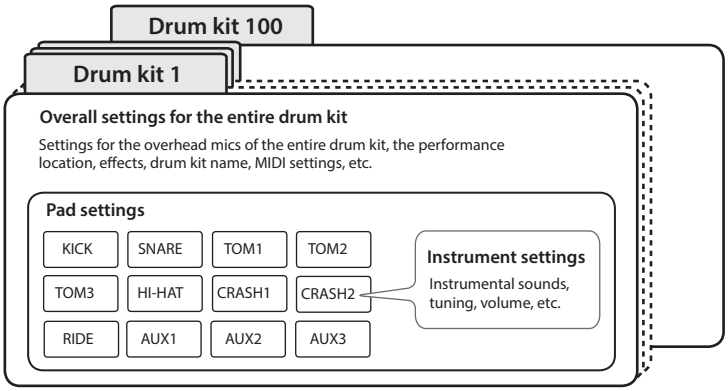
Selecting a Drum Kit

What Are "Drum Kits" and "Instruments"?

On the TD-27, a set of drums is called a "drum kit". The sounds that play when you strike each pad of the drum kit are called "instruments".

The illustration below shows the structure of a drum kit.



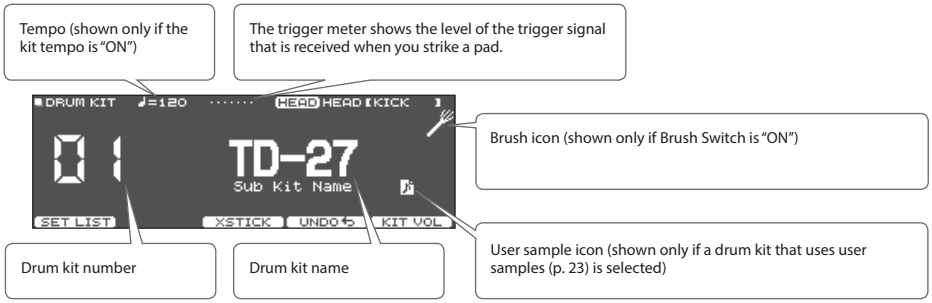


Selecting a Drum Kit

The TD-27 lets you enjoy performing with a drum kits that are suitable for a variety of musical genres.

1. Press the [DRUM KIT] button.

The DRUM KIT screen appears. Depending on the settings, this screen shows the following content.



2. Use the dial to select a drum kit.

Reference

For a list of the drum kits, refer to "Data List" (PDF).

Cross-Stick function

Pads that are connected to a TRIGGER INPUT jack

Each time you press the [F3] (XSTICK) button, you'll switch between sounding and not sounding the cross-stick sound (p. 11) from the snare pad.

When playing using a pad that supports digital connection and cross-stick technique (such as the PD-140DS)

If a trigger input is assigned to snare (p. 7), cross-stick technique is always possible.
In this case, the XSTICK icon is not shown in the screen.

Performing Along with a Song

You can enjoy playing the drums along with songs on your smartphone or other mobile device (subsequently called "smartphone") or songs that can be played back on the TD-27 itself.

Performing Along with a Song from Your Smartphone

Connecting via a Cable to the MIX IN Jack

1. **Connect a stereo mini-plug cable (commercially available) from your smartphone to the TD-27's MIX IN jack (p. 6).**
2. **Play back a song on your smartphone.**
3. **Turn the [BACKING] knob to adjust the volume of the song.**

Connecting Wirelessly via Bluetooth

In order to connect your smartphone wirelessly to the TD-27 via Bluetooth, you'll need to "pair" by registering the TD-27 in your smartphone so that the two devices can authenticate with each other.

As an example, we explain how to make settings for an iPhone.

* Once a smartphone has been paired with TD-27, there is no need to perform pairing again. Refer to "Connecting an already-paired smartphone" (p. 14)

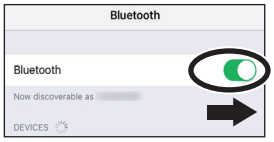
Registering the smartphone (pairing)

1. **Place the smartphone that you want to connect near TD-27.**
2. **Press the [SYSTEM] button.**
3. **Move the cursor to "BLUETOOTH", and press the [ENTER] button.**
4. **Press the [F1] (PAIRING) button.**

MEMO

If you decide to cancel pairing, press the [F1] (CANCEL) button or [EXIT] button.

5. **Turn on the Bluetooth function of your smartphone.**



6. **Tap "TD-27 AUDIO" that appears in the smartphone's Bluetooth "DEVICES" field.**
   TD-27 and smartphone are paired. When pairing is completed, a display like the following appears.

smartphone	"TD-27 AUDIO" is added to the "My devices" area, and shown as "Connected".
TD-27	The screen indicates "Completed (AUDIO)". 

7. **Press the [DRUM KIT] button to return to the DRUM KIT screen.**

Connecting an already-paired smartphone

1. **Turn on the Bluetooth function of your smartphone.**
   This unit and the smartphone are connected wirelessly.

* If the above step does not establish a connection, tap "TD-27 AUDIO" that are shown in the "DEVICES" field of the smartphone.

Playing back songs from your smartphone

When you play back a song on your smartphone, you hear the sound from the headphones or amplified speakers that are connected to the TD-27.

To adjust the song volume, use the TD-27's [BACKING] knob or make adjustments on your smartphone.

MEMO

The song played back on your smartphone can be recorded along with the sound of your performance on the TD-27 (p. 19).

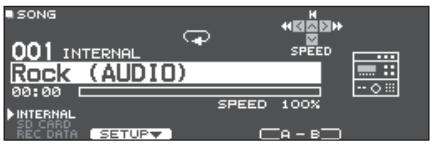
Performing Along with a Song

All types of music that can be played back by the TD-27, including its built-in songs, audio files saved on an SD card, and performance data recorded to an SD card are collectively called "songs".

Types of song	Explanation
Built-in songs (INTERNAL)	Demo performances built-into the TD-27 (MIDI data) and songs for backing (audio data)
Songs saved on an SD card (SD CARD)	Audio files (WAV/MP3) saved to an SD card for backing
Songs recorded on an SD card (REC DATA)	A TD-27 performance saved (exported) as audio data to an SD card

1. Press the [SONG] button.

The SONG screen appears.



2. Turn the dial to select a song.

Each time you press the [F1] button, you cycle between built-in songs (INTERNAL), audio files on the SD card (SD CARD), and songs recorded (exported) to the SD card (REC DATA).

3. Press the [►/■] button.

The selected song plays.

Operations during playback

[►/■] button	Play/stop the song
[>][<] buttons	Fast-forward [>] / Rewind [<] the song
[^] button	Move to the beginning of the song
Use the [V] button to move the cursor to "SPEED" ➡ dial	Make the song's playback speed faster (rotate right) or slower (rotate left)
[F4](A-B) button	Successively switch between loop playback, normal playback, and A-B repeat (*1).

*1: Specify the interval between A and B, and play back repeatedly.

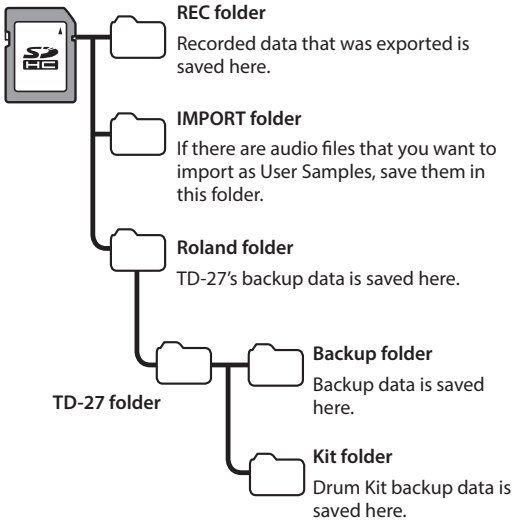
Setting A-B repeat

1. **Press the [F4] (A-B) button for normal playback, and play back the song.**
2. **At the point where you want repetition to start, press the [F4] (A-B) button (specify A).**
3. **At the point where you want repetition to end, press the [F4] (A-B) button (specify B).**

Reference

For the list of built-in songs, refer to "Data List" (PDF).

SD card folder structure



When transferring files from your computer to an SD card

Audio files can be played back from the top level of the SD card.

* You can put up to 200 song files in a single folder.
* Keep the song length within one hour per file.

Reference

For details, refer to the "Reference Manual" (PDF).

Audio files that can be played by the TD-27

	WAV	MP3
Format (extension)	WAV (.wav)	MP3 (.mp3)
Sampling frequency	44.1 kHz	44.1 kHz
Bit rate	16, 24-bit	64 kbps–320 kbps

* File names or folder names that contain more than 16 characters are not shown correctly. Files and folders using double-byte characters are also not supported.

Practicing

Sounding a Click (Metronome)

You can sound a click and practice drumming at a steady tempo.

Turning the Click On/Off

1. Press the [CLICK] button.

The CLICK screen appears.

2. Press the [F1] button.

The click sounds.

You can adjust the volume of the click using the [BACKING] knob.

3. Press the [F1] button once again.

The click stops.

MEMO

- You can also turn the click on/off by holding down the [ENTER] button and pressing the [CLICK] button.
- You can also output the click only to headphones. For details, refer to "Reference Manual" (PDF).

Changing the tempo

1. In the CLICK screen (TEMPO tab), turn the dial to adjust the tempo.

Changing the beat

1. In the CLICK screen (TEMPO tab), use the cursor buttons to change the Beat.

2. Use the dial to specify Beat.

3. Press the [DRUM KIT] button to return to the DRUM KIT screen.

Reference

For other settings related to click, refer to "Data List" (PDF).

Practicing in Coach Mode

This unit provides practice modes called "Coach Mode" which are designed to make your practicing as effective as possible.

This provides three menus: "TIME CHECK", "QUIET COUNT", and "WARM UPS". These help you improve your speed control, accuracy, and endurance. You can also change to settings that are appropriate for your level of performing skill.

Selecting a Practice Menu

1. Press the [COACH] button.

The COACH MENU screen appears.

2. Use the cursor buttons to select the coach menu, and press [ENTER] button.

Correctly Playing in Time with the Beat (TIME CHECK)

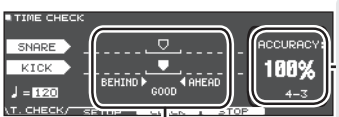
This lets you practice drumming in accurate time along with the click.

1. In the TIME CHECK screen, press the [F5] (START) button.

MEMO

If you decide to stop mid-way through practice, press the [F4] (STOP) button.

2. Strike the pad in time with the click.



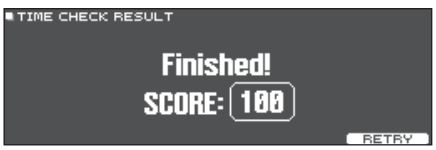
The percentage of your strikes that were played with accurate timing is displayed as a "%" value.

The screen indicates whether your pad strikes match the beat sounded by the click.

BEHIND: Behind the beat

AHEAD: Ahead of the beat

Your strike timing is evaluated.

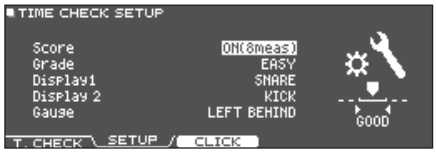


To resume practicing, press the [F5] (RETRY) button.

3. Press the [EXIT] button to finish.

TIME CHECK settings

In the TIME CHECK screen, you can press the [F2] (SETUP) button to change the pads that are evaluated and the number of measures that are scored.



Parameter	Value	Explanation
Score	Specifies whether the score will be shown in the screen.	
	OFF	Your performance will not be scored. Only the timing will be checked.
	ON (4, 8, 16, 32 meas)	The score will be shown in the screen. You can also specify the number of measures you'll practice before being scored.
Grade	Specifies the strictness of scoring.	
	EASY	Normal
	HARD	Timing will be checked more strictly.
Display 1 Display 2	In the screen, select the pad for which a timing graph will be shown.	
Gauge	LEFT BEHIND	The left side of the timing graph is shown as BEHIND (late).
	LEFT AHEAD	The left side of the timing graph is shown as AHEAD (early).

* You can press the [F3] (CLICK) button to make click settings (p. 16).

Developing Internal Timing Sense (QUIET COUNT)

This lets you practice keeping the tempo with your body. For the first few measures, the click is heard at the specified volume, but for the next few measures the click is not heard. This cycle of several measures will continue until you stop it.

1. In the QUIET COUNT screen, press the [F5] (START) button.

2. Strike the pad in time with the click.

- The click will sound during the first few measures. When you reach the last measure during which the click will sound, the screen will indicate "Ready...".

- When the click stops sounding, the screen indication will change to "Quiet". Continue striking the pads during this time.

- After the Quiet region, the proportion of your strikes that were played at an accurate tempo are shown as a "%".

3. Press the [F4] (STOP) button.

4. Press the [EXIT] button to finish.

Quiet Count settings

In the QUIET COUNT screen, press the [F2] (SETUP) button to access the settings screen.

Parameter	Value	Explanation
Measures	2, 4, 8, 16 (Measures)	Specify the length (measures) of the interval for which the click will alternate between "Sounding" and "Quiet".
Quiet	Of the measures specified by "Measures", this setting specifies the length of the measures that will be "Quiet".	
	RANDOM	The length of the Quiet interval will randomly change each time.
	1, 2, 4	Specifies the length (number of measures) of the Quiet interval. * This setting cannot be longer than half of the Measures value.

* You can press the [F3] (CLICK) button to make click settings (p. 16).

WARM UPS

In this mode you'll successively practice steps 1–3, be graded on your performance at each step, and then receive a final evaluation.

You can choose one of three courses (5/10/15 minutes), ranging from easy to difficult. You can also adjust the tempo according to your level of skill.

MEMO

After starting WARM UPS, you can press the [F5] (PAUSE) button to pause or resume.

While paused, you can press the [F4] (STOP) button to stop.

1. In the WARM UPS screen, press the [F5] (START) button.

Step 1: Change-Up

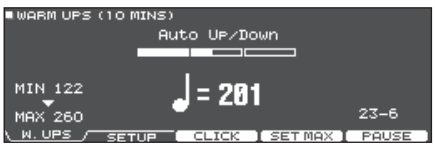
In this step, the rhythm type will change every two measures.

Starting from half notes, the note values will gradually become shorter, and will then return to half notes; this change in rhythms will be repeated.

Step 2: Auto Up/Down

The tempo will gradually be raised and lowered.

The tempo will increase by 1 BPM (beat-per-minute) for each beat until the click reaches the upper limit; then the tempo will continue slowing down by 1 BPM until it reaches the initial tempo.



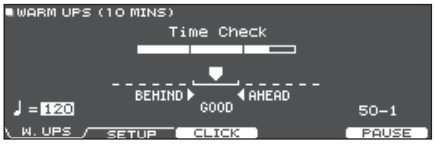
* Auto Up/Down will be executed if Duration is 10 MINS or 15 MINS.

* Auto Up/Down does not let you use the [TEMPO] knob to adjust the current tempo.

* The current tempo value will be the lower tempo limit.

Step 3:Time Check

At this step, the accuracy of your playing will be checked against the click. You can see in the screen if you are ahead, behind or on the beat.



Overall evaluation

This grades your performance at each step, and displays the overall evaluation.

To resume practicing, press the [F5] (RETRY) button.

Evaluation (display)	EXCELLENT!, VERY GOOD!, GOOD, AVERAGE, START OVER

2. Press the [EXIT] button to finish.

WARM UPS settings

In the WARM UPS screen, press the [F2] (SETUP) button to access the settings screen.

Parameter	Value	Explanation
Duration	Specifies the time.	
	5 MINS	Time required: 5 minutes Change-Up: 2 minutes Time Check: 3 minutes
	10 MINS	Time required: 10 minutes Change-Up: 3 minutes Auto Up/Down: 3 minutes Time Check: 4 minutes
	15 MINS	Time required: 15 minutes Change-Up: 5 minutes Auto Up/Down: 5 minutes Time Check: 5 minutes
Grade	Specifies the strictness of scoring.	
	EASY	Normal
	HARD	Timing will be checked more strictly.
Max Tempo	Specifies the upper tempo limit during step 2: Auto Up/Down.	

* You can press the [F3] (CLICK) button to make click settings (p. 16).

Recording

Recording a Performance

You can easily record your own performance and play it back.

MEMO

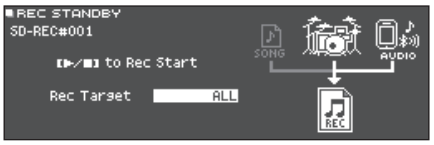
You can record for up to 60 minutes if an SD card is inserted, or up to approximately three minutes if an SD card is not inserted. If an SD card is not inserted, you can play back by pressing the [F5] (PREVIEW) button after recording, but cannot save the recording to this unit.

Recording

* If you want to save (export) your recorded song to an SD card, insert the SD card before you continue (p. 7).

1. Press the [●] button.

The REC STANDBY screen appears, and TD-27 is in the record-standby condition.



MEMO

If you want to record along with a click (metronome), sound the click at this point (p. 16).

2. Turn the dial to select what will be recorded.

Display	Explanation
ALL	Record all sound (except for the click and the guide track).
DRUMS ONLY	Record only the sound of the drums.

3. Press the [►/■] button to start recording.

4. Press the [►/■] button once again to stop recording.

Playback and saving

5. Press the [F5] (PREVIEW) button.

The recorded performance plays back.

If you want to exit without saving the song to the SD card, press the [F1] (DELETE) button.

6. Press the [F4] (EXPORT) button to save the song.

A confirmation message appears.

7. Use the cursor buttons to select "OK", and press the [ENTER] button.

The song is saved on the SD card.

Recording Your Performance Along with a Song

You can record your performance along with one of the TD-27's built-in backing (accompaniment) songs or a song saved on the SD card.

MEMO

If you want to record along with a song from your smartphone connected via the MIX IN jack or via Bluetooth, play back the song on your smartphone while you record as described in "Recording a Performance".

Selecting and recording a song

1. Press the [SONG] button.

The SONG screen appears.

2. Use the dial to select the song that you want to record along with.

Each time you press the [F1] button, you cycle between built-in songs (INTERNAL), audio files on the SD card (SD CARD), and songs recorded (exported) to the SD card (REC DATA).

* You can't record along with a built-in demo performance.

3. Press the [●] button.

The REC STANDBY screen appears, and TD-27 is in the record-standby condition.

4. Use the dial to select "ALL" as the recording target.

5. Press the [F1] button and use dial to select "with SONG".

6. Press the [►/■] button to start recording.

TD-27 starts recording and the song starts playing.

7. Press the [►/■] button once again to stop recording.

Playback and saving

8. Press the [F5] (PREVIEW) button.

The recorded performance plays back.

If you want to exit without saving the song to the SD card, press the [F1] (DELETE) button.

9. Press the [F4] (EXPORT) button to save the song.

A confirmation message appears.

10. Use the cursor buttons to select "OK", and press the [ENTER] button.

The song is saved on the SD card.

Recording on a Connected Computer

You can connect the TD-27 to your computer and record 28 channels of multi-track audio onto your DAW software (commercially available), or record your performance as MIDI data.

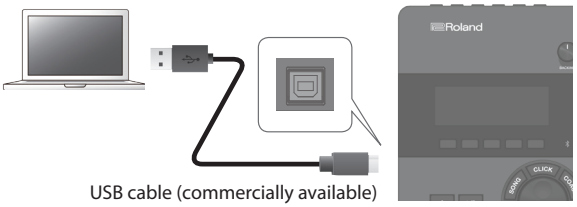
Reference

For details, refer to "Reference Manual" (PDF).

Installing the USB Driver

The USB driver is software that transfers data between the TD-27 and your computer software.

In order to transmit and receive audio as USB AUDIO, you must install the USB driver.



USB cable (commercially available)

MEMO

For details on downloading and installing the USB driver, refer to the Roland website.

http://www.roland.com/support/

Editing a Drum Kit

The TD-27 lets you shape your sounds in a wide variety of ways, from customizing the drum itself by changing the head type or shell depth, to adjusting the reverberation. If you want to make changes intuitively, use the sound modify knobs. If you want to make precise settings while viewing the values in the screen, start your editing from the [KIT EDIT] button.

* Since the TD-27 automatically saves the values that you change, there's no need to perform a specific operation to save your settings. Settings are also saved when you turn off the power.

MEMO

You can temporarily save the currently-edited drum kit, and compare it with the current settings or revert back to it (Snapshot function). For details, refer to "Reference Manual" (PDF).

Editing with the Sound Modify Knobs

1. Press the [DRUM KIT] button.

The DRUM KIT screen appears.

2. Turn the dial to select the drum kit that you want to edit.

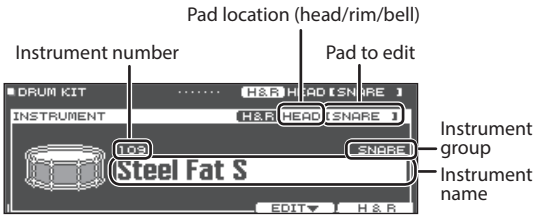
3. Strike the pad that you want to edit.

To select the rim of a pad, strike the rim.

MEMO

By holding down the [ENTER] button and pressing the [SYSTEM] button, you can prevent the pad you're editing from being switched. This is convenient if you're playing a phrase while you edit.

4. Use [INSTRUMENT] knob to select an instrument.



➡ For the Instrument List, refer to "Data List" (PDF).

5. Use the sound modify knobs to edit the instrument.

[LEVEL] knob	Adjusts the volume (level) of the instrument that's selected in the screen. 
[TUNING] knob	Adjusts the pitch (tuning) of the instrument that's selected in the screen. 
[MUFFLING] knob	Adjusts the decay length (muffling) of the instrument that's selected in the screen. 

MEMO

If you don't perform an operation or strike a pad for a certain length of time, you return to the previous screen.

6. Press the [DRUM KIT] button to return to the DRUM KIT screen.

MEMO

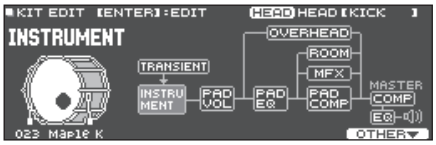
You can rename a drum kit that you edited, or change the controller illumination color for each drum kit. For details, refer to "Reference Manual" (PDF).

Editing with the [KIT EDIT] Button

1. Press the [DRUM KIT] button.
The DRUM KIT screen appears.

2. Turn the dial to select the drum kit that you want to edit.

3. Press the [KIT EDIT] button.
The KIT EDIT screen appears.



4. Strike the pad that you want to edit.
To select the rim of a pad, strike the rim.

MEMO

By holding down the [ENTER] button and pressing the [SYSTEM] button, you can prevent the pad you're editing from being switched. This is convenient if you're playing a phrase while you edit.

5. Use the cursor buttons to select the parameter that you want to edit, and press [ENTER] button.

Parameter	Explanation
TRANSIENT	Adjusts the attack and release of the instrument (transient).
INSTRUMENT	Changes the type of instrument.
PAD VOL	Adjusts the volume of each pad.
PAD EQ	Adjusts the tonal character of each pad (pad equalizer).
PAD COMP	Adjusts the dynamics of each pad (pad compressor).
OVERHEAD	Adjusts the sound of the overhead mics that capture the entire drum kit.
ROOM	Simulates the reverberation and resonance of the location in which you're playing the drums.
MFX	Lets you apply up to three effects to the drum kit.
MASTER COMP	Adjusts the overall dynamics of the drum kit.
MASTER EQ	Adjusts the overall tonal character of the drum kit.

➡ For details, refer to "TD-27 Data List" (PDF).

MEMO

An audio file that you created on your computer can be loaded from the SD card into the TD-27, and played as an instrument (p. 23).

6. Use the dial to change the settings.

7. Press the [DRUM KIT] button to return to the DRUM KIT screen.

Reference

- In screens where the [F5] (H & R) button is shown, you can individually edit the parameters for each different striking location, such as the head and the rim.
- You can layer two instruments together, or switch between them according to the force of the strike (SUB INSTRUMENT).

➡ For details, refer to "Reference Manual" (PDF).

Importing and Playing Audio Files (USER SAMPLE)

Audio files that you created on your computer can be imported from an SD card into the TD-27, and played as instruments (User Sample function). You can edit the sound of a user sample or apply effects to it in the same way as other instruments.

Audio files that can be loaded by the TD-27

	WAV file
Format (extension)	WAV (.wav)
Sampling frequency	44.1 kHz
Bit rate	16, 24-bit
Length	Maximum 180 seconds

* File names or folder names that contain more than 16 characters are not shown correctly. Files and folders using double-byte characters are also not supported.

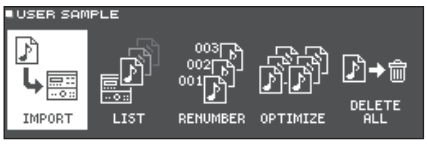
Importing an Audio File

Here's how to import an audio file into the TD-27 as a user sample.

1. Insert an SD card into the TD-27 (p. 7).

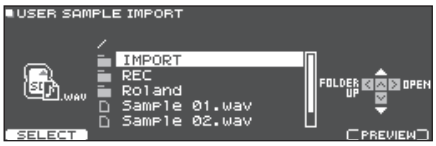
2. Press the [USER SAMPLE] button.

The USER SAMPLE screen appears.



3. Move the cursor to the "IMPORT", and press the [ENTER] button.

The USER SAMPLE IMPORT screen appears.



Cursor button	Explanation
[^] button	Moves cursor (up)
[v] button	Moves cursor (down)
[<] button	Exits a folder
[>] button	Enters a folder

MEMO

You can press the [F5](PREVIEW) button to hear the sound being imported.

4. Use the cursor buttons to select an audio file, and press the [F1] (SELECT) button.

The USER SAMPLE IMPORT (DESTINATION) screen appears.

5. Use the cursor buttons to select the import-destination number, and press the [F5] (IMPORT) button.

A confirmation message appears.

* If you select a number in which data already exists, the message "User Sample Exists!" appears. Select a number that contains no data.

6. Use the cursor buttons to select "OK", and press the [ENTER] button.

The audio file is imported.

Assigning a User Sample to an Instrument and Playing It

1. Press the [DRUM KIT] button.
The DRUM KIT screen appears.

2. Turn the dial to select the drum kit that you want to edit.

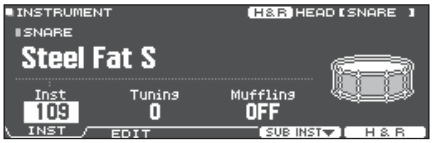
3. Press the [KIT EDIT] button.
The KIT EDIT screen appears.

4. Strike the pad that you want to edit.
To select the rim of a pad, strike the rim.

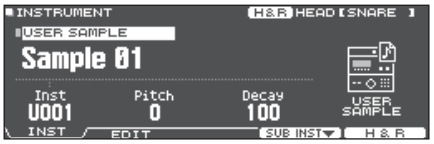
MEMO

By holding down the [ENTER] button and pressing the [SYSTEM] button, you can prevent the pad you're editing from being switched. This is convenient if you're playing a phrase while you edit.

5. Use the cursor buttons to select "INSTRUMENT", and press [ENTER] button.



6. Move the cursor to the Instrument group, and use the dial to select "User Sample".



7. Move the cursor to the Instrument number, and use the dial to select the user sample that you want to assign.

8. Press the [DRUM KIT] button to return to the DRUM KIT screen.
When you strike a pad to which the user sample is assigned, you hear that user sample.

MEMO

- User samples can also be selected and edited by using the sound modify knobs.
- You can adjust the sound of a user sample and apply effects to it in the same way as for other Instruments. For details, refer to "Reference Manual" (PDF).

Various Settings (SYSTEM)

Basic Operation in SYSTEM

Settings that are common to the entire unit, such as functions related to backing up the TD-27's settings and the power supply settings, are called "system" settings.

1. Press the [SYSTEM] button.

The SYSTEM screen appears.

2. Use the cursor buttons to select the menu that you want to edit, and press [ENTER] button.

Menu	Explanation	Page
BLUETOOTH	Makes Bluetooth settings.	p. 14
SD CARD	Initializes an SD card, or backs-up the TD-27's settings to an SD card.	p. 25, p. 26
TRIGGER	Adjusts the trigger settings so that the TD-27 can accurately process the signal from the triggers. You can also adjust pad settings such as sensitivity (SENSITIVITY).	➡ "Reference Manual" (PDF)
OUTPUT	Specify the output destination of the sounds.	
USB AUDIO	Make USB audio settings.	
MIDI	Make MIDI settings.	
OPTION	Make settings for the MIX IN jacks, and the display.	
AUTO OFF	Specifies whether the power automatically turns off after a specified length of time elapses.	p. 27
INFO	Shows information about the TD-27 itself, such as its program version.	➡ "Reference Manual" (PDF)
FACTORY RESET	Return the TD-27 to its factory settings.	p. 27

Reference

For details on each menu items, refer to "Reference Manual" (PDF).

3. As appropriate for the menu item that you selected, use the dial to edit the settings.

4. Press the [DRUM KIT] button to return to the DRUM KIT screen.

Formatting an SD Card

Here's how to format an SD card.

* Before using an SD card for the first time with the TD-27, you must format the SD card.

NOTE

When you format an SD card, all data on the SD card is erased.

1. Insert an SD card into the TD-27 (p. 7).

2. Press the [SYSTEM] button.

The SYSTEM screen appears.

3. Use the cursor buttons to select "SD CARD", and press [ENTER] button.

The SD CARD MENU screen appears.

4. Use the cursor buttons to select "FORMAT", and press [ENTER] button.

The SD CARD FORMAT screen appears.

5. Press the [F5] (FORMAT) button.

A confirmation message appears.

If you decide to cancel, select "CANCEL" and press the [ENTER] button.

6. Use the cursor buttons to select "OK", and press the [ENTER] button.

The SD card will be formatted.

Backing Up Data

All settings stored in the TD-27 can be saved (backed up) to an SD card, or restored (loaded) into the TD-27.

MEMO

You can also back up and load individual drum kits. For details, refer to "Reference Manual" (PDF).

Backing Up to an SD Card

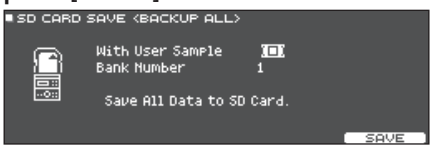
Here's how to save all settings that are stored in the TD-27 (up to 99 sets).

1. Insert an SD card into the TD-27 (p. 7).

2. Press the [SYSTEM] button.
The SYSTEM screen appears.

3. Use the cursor buttons to select "SD CARD", and press [ENTER] button.
The SD CARD MENU screen appears.

4. Use the cursor buttons to select "SAVE", and press [ENTER] button.



5. Make backup settings.

Parameter	Explanation
With User Sample	Choose whether the user samples will be backed up.
Bank Number	Select the backup number.

* If you back up user samples as well, it may take several minutes to save the data depending on the size of the user samples. If you don't back up user samples, and you then delete user samples or renumber them, the kit won't be reproduced correctly even if you load the backup.

6. Press the [F5] (SAVE) button.

MEMO

If you want to assign a name to the backup data, press the [F4] (NAME) button and assign a name.

7. Press the [F5] (EXECUTE) button.
A confirmation message appears.

If you decide to cancel, select "CANCEL" and press the [ENTER] button.

8. Use the cursor buttons to select "OK", and press the [ENTER] button.
The settings are saved in the SD card.

Loading Backup Data from an SD Card

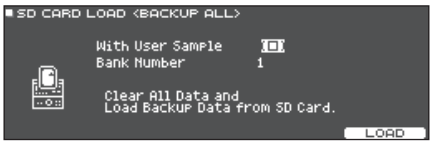
Here's how backup data that was saved on an SD card can be loaded into the TD-27.

1. Insert an SD card into the TD-27 (p. 7).

2. Press the [SYSTEM] button.
The SYSTEM screen appears.

3. Use the cursor buttons to select "SD CARD", and press [ENTER] button.
The SD CARD MENU screen appears.

4. Use the cursor buttons to select "LOAD", and press [ENTER] button.
The SD CARD LOAD <BACKUP ALL> screen appears.



5. Make load settings.

Parameter	Explanation
With User Sample	Choose whether the user samples will be loaded.
Bank Number	Select the backup number.

* When you load user samples, all user samples in the TD-27 are deleted. Depending on the size of the user samples, it may take more than ten minutes to load the data.

6. Press the [F5] (LOAD) button.
A confirmation message appears.

If you decide to cancel, select "CANCEL" and press the [ENTER] button.

7. Use the cursor buttons to select "OK", and press the [ENTER] button.

The backup data is loaded from the SD card.

Setting the AUTO OFF Function

The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated.

If you do not want the power to be turned off automatically, disengage the AUTO OFF function.

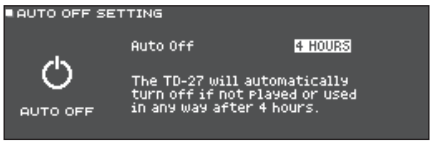
* To restore power, turn the power on again.

1. Press the [SYSTEM] button.

The SYSTEM screen appears.

2. Use the cursor buttons to select "AUTO OFF", and press [ENTER] button.

The AUTO OFF screen appears.



3. Use the dial to specify the setting of the AUTO OFF function.

Setting	Explanation
OFF	The power does not turn off automatically.
4 HOURS	When four hours have elapsed without any pad being struck or any operation being performed, the unit will turn off automatically.

MEMO

If the AUTO OFF function is set to "4 HOURS", the message "MESSAGE: AUTO OFF, The TD-27 will turn off in 30 min." appears 30 minutes before the power turns off.

4. Press the [DRUM KIT] button to return to the DRUM KIT screen.

Restoring the Factory Settings

The "Factory Reset" operation returns all data and settings stored in the TD-27 to their factory-set condition.

NOTE

When you execute this operation, all data and settings in the TD-27 will be lost. Before you proceed, you should save any important data and settings to your SD card (p. 26).

1. Press the [SYSTEM] button.

The SYSTEM screen appears.

2. Use the cursor buttons to select "FACTORY RESET", and press [ENTER] button.

The FACTORY RESET screen appears.

MEMO

If you want all user samples to also be returned to their factory-set state, use the dial to add a check mark to "Reset with User Sample". All user samples in user memory are overwritten by the factory-set data.

3. Press the [F5] (FACTORY RESET) button.

A confirmation message appears.

If you decide to cancel, select "CANCEL" and press the [ENTER] button.

4. Use the cursor buttons to select "OK", and press the [ENTER] button.

The "Factory Reset" operation will be executed.

Troubleshooting

Trouble	Items to check	Action	Page
Troubles with sound			
No sound / Insufficient volume	Is the product correctly connected to the external devices?	Check the connections.	p. 6
	Could the product's volume be lowered?	Use the [PHONES] or [MASTER] knob to adjust the volume.	–
	Could the volume of the connected amplified speaker be lowered?	Adjust the volume of the connected amplified speakers.	–
	Could the volume be lowered on the smartphone etc. that's connected to the MIX IN jack?	Make adjustments using the [BACKING] knob or on your smartphone.	–
	Could the MIDI "Local Control" be "OFF"?	Set "Local Control" to "ON".	➡ PDF
A specific pad does not sound	Are the cables correctly connected to each pad and pedal?	Check the connections.	p. 6
	Could the Instrument be "OFF"?	Assign an Instrument.	p. 21
	Could the Instrument's "Volume" be lowered?	Adjust the Instrument's "Volume".	p. 21
	Have the settings for "OUTPUT" been made correctly?	Check the settings for "OUTPUT".	➡ PDF
	Could user samples have been deleted?	If you delete the user sample that's assigned to a pad, it will not produce sound. Either load the user sample once again, or assign a different instrument.	p. 23
	Is the pad's "trigger type" set correctly?	Set the pad's "trigger type".	➡ PDF
	Is the connection cable correctly connected to the TRIGGER IN jack/TRIGGER INPUT jack or the DIGITAL TRIGGER IN port ?	Check the connections.	p. 6
No sound when you strike a pad assigned to a TRIGGER IN jack or TRIGGER INPUT jack / Trigger does not respond	If a pad connected to a DIGITAL TRIGGER IN port is assigned to the same trigger input as a pad connected to a TRIGGER IN jack/TRIGGER INPUT jack, the sound of the pad that's connected to the TRIGGER IN jack/TRIGGER INPUT jack is not output.	Disconnect the pad connection cable from the DIGITAL TRIGGER IN port.	p. 7
No sound when you strike a pad connected to a DIGITAL TRIGGER IN port / Trigger does not respond	Is the trigger input set correctly?	After connecting the pad, specify the trigger input that it will play.	p. 7
	Could you be using carbon or metal sticks?	Use wood or plastic sticks. Using carbon or metal sticks might make the sensor malfunction.	–
	Could you be using metal brushes?	Use nylon brushes. Using metal brushes might make the sensor malfunction, or might scratch the pad.	–
Troubles with SD card			
SD card is connected but not recognized / Data is not visible	Is the SD card formatted correctly?	Format the SD card on this product.	p. 25
Can't play MP3/ WAV file	Does the product support the sampling frequency and bit rate of the MP3 file, or the sampling frequency and bit depth of the WAV file?	Use MP3/WAV files that the product supports.	p. 15
	Playback may be unable to keep up if you raise the playback speed of a high bit-rate of MP3.	–	–
Can't correctly set the A-B repeat times	When using a MP3 file, it might not be possible to play back the A-B repeat region correctly.		
Can't play or import an audio file	Is the audio file format correct?	Check the audio file format, file name, and file name extension.	p. 15 p. 23
	Is the audio file in the correct location?	Check the location of the audio file.	p. 15
	Could a large number of audio files be in the folder?	Keep the number of audio files in a folder to 200 or fewer.	–

Trouble	Items to check	Action	Page
Troubles with USB			
Can't communicate with a computer	Is the USB cable connected correctly?	Check the connections.	p. 6
	In order to transmit and receive audio as USB AUDIO, the USB driver must be installed.	Install the USB driver on your computer.	p. 20
	Are you using a cable that supports USB 2.0?	The product cannot be used the cable that supports USB 3.0. Use the cable that supports USB 2.0.	–
	Have the settings for "Driver Mode" been made correctly?	Choose the setting that's appropriate for your situation.	➡ PDF
Troubles with MIDI			
No sound	Are the MIDI cables connected correctly?	Check the connections.	p. 6
	Is the MIDI channel set correctly?	Set the MIDI channels of the product and external MIDI device to the same setting.	➡ PDF
	Has the note number been set properly?	Set the pad's "NOTE NO".	➡ PDF

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices

⚠ WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
⃠	The ⃠ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
⏻	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠ WARNING

Concerning the Auto Off function

The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (Auto Off function). If you do not want the power to be turned off automatically, disengage the Auto Off function (p. 27).

Use only the stand that is recommended

This unit should be used only with a stand that is recommended by Roland.

Do not place in a location that is unstable

When using the unit with a stand recommended by Roland, the stand must be carefully placed so it is level and sure to remain stable. If not using a stand, you still need to make sure that any location you choose for placing the unit provides a level surface that will properly support the unit, and keep it from wobbling.

Precautions regarding placement of this unit on a stand

Be sure to follow the instructions in the Owner's Manual carefully. (when placing this unit on the MDS series, refer to "TD-27KV Setup Guide").

If it is not set up properly, you risk creating an unstable situation which could lead to the unit falling or the stand toppling, and may result in injury.

⚠ WARNING

Use only the supplied AC adaptor and the correct voltage

Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.

Use only the supplied power cord

Use only the attached power cord. Also, the supplied power cord must not be used with any other device.

⚠ CAUTION

Use only the specified stand(s)

This unit is designed to be used in combination with specific stands (MDS Series etc.) manufactured by Roland. If used in combination with other stands, you risk sustaining injuries as the result of this product dropping down or toppling over due to a lack of stability.

Evaluate safety issues before using stands

Even if you observe the cautions given in the owner's manual, certain types of handling may allow this product to fall from the stand, or cause the stand to overturn. Please be mindful of any safety issues before using this product.

Keep small items out of the reach of children

To prevent accidental ingestion of the parts listed below, always keep them out of the reach of small children.

Included Parts

- wing bolts (p. 8)

IMPORTANT NOTES

Power Supply

- Place the AC adaptor so the side with the indicator faces upwards. The indicator will light when you plug the AC adaptor into an AC outlet.

Repairs and Data

- Before sending the unit away for repairs, be sure to make a backup of the data stored within it; or you may prefer to write down the needed information. Although we will do our utmost to preserve the data stored in your unit when we carry out repairs, in some cases, such as when the memory section is physically damaged, restoration of the stored content may be impossible. Roland assumes no liability concerning the restoration of any stored content that has been lost.

Additional Precautions

- Any data stored within the unit can be lost as the result of equipment failure, incorrect operation, etc. To protect yourself against the irretrievable loss of data, try to make a habit of creating regular backups of the data you've stored in the unit.
- Roland assumes no liability concerning the restoration of any stored content that has been lost.
- Never strike or apply strong pressure to the display.
- This instrument is designed to minimize the extraneous sounds produced when it's played. However, since sound vibrations can be transmitted through floors and walls to a greater degree than expected, take care not to allow these sounds to become a nuisance others nearby.
- Do not use connection cables that contain a built-in resistor.

Using External Memories

- Please observe the following precautions when handling external memory devices. Also, make sure to carefully observe all the precautions that were supplied with the external memory device.
  - Do not remove the device while reading/writing is in progress.
  - To prevent damage from static electricity, discharge all static electricity from your person before handling the device.

Caution Regarding Radio Frequency Emissions

- The following actions may subject you to penalty of law.
  - Disassembling or modifying this device.
  - Removing the certification label affixed to the back of this device.
  - Using this device in a country other than where it was purchased

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