

Look What You Can Do with the TD-17/TD-17-L

Performing

Perform with various sounds (→ p. 8)

A diverse selection of drum sounds is built into this unit. You can perform using a wide variety of tonal choices.

Supports a variety of performance techniques (→ p. 7)

Just like acoustic drums, this unit responds to a variety of different performance techniques.

Customizing

Adjust the playing feel (→ p. 21)

By adjusting the sensitivity of the sensors, you can customize the playing feel to your taste.

Create your very own kits (→ p. 14)

By customizing a kit, you can create an original that's like no other kit in the world.

Eco-Friendly Power-Save Function

The power automatically turns off when a certain length of time elapses after you stopped playing or operating the unit (AUTO OFF function). (→ p. 23)

* If you don't want the power to turn off automatically, set AUTO OFF to "OFF."

Practicing

Sounding a click (metronome) (→ p. 9)

You can practice while listening to a click sound.

Practicing along with a song (→ p. 9)

Songs that are ideal for practice are built into this unit. You can practice along with these songs.

Recording a song that you're practicing (→ p. 10)

You can use the recording function to evaluate your own performance.

Practicing with Coach mode (→ p. 11)

This unit provides a "Coach mode" that supports your practicing. This is a great way to improve your speed control, precision, and endurance.

Perform along with audio from your smartphone (→ p. 5)

This unit is equipped with Bluetooth. You can perform along with audio from your smartphone (**TD-17-L excepted**).

Owner's Manual (this document)

Read this first. This explains all the functions of this unit.

PDF Manual (download from the web)

- **Data List**
This explains the parameters and sound of this unit.
- **MIDI Implementation**
This is detailed reference material regarding MIDI messages.

To obtain the PDF manual

1. Enter the following URL in your computer.
<http://www.roland.com/manuals/>



2. Choose "TD-17" or "TD-17-L" as the product name.

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. 27)). After reading, keep the document(s) where it will be available for immediate reference.

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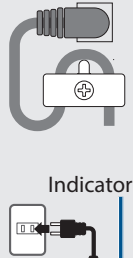
Getting Ready

Connect Your Equipment

DC IN jack

Connect the included AC adaptor here.

- * Use the cord hook to secure the cord of the AC adaptor as shown in the illustration.
- * Place the AC adaptor so the side with the indicator (see illustration) faces upwards and the side with textual information faces downwards. The indicator will light when you plug the AC adaptor into an AC outlet.



PHONES jack

Connect headphones (sold separately) here. Even if headphones are connected, sound will still be output from the MASTER OUTPUT jacks.



MASTER OUTPUT (L/MONO, R) jacks

These jacks output the sound. Connect them to amplified speakers etc. (sold separately). If you're outputting in mono, connect only the L/MONO jack.

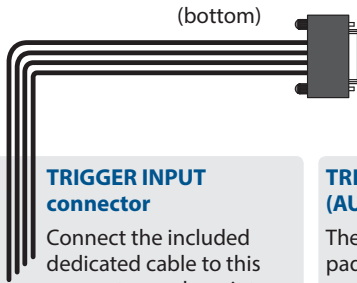


MIX IN jack

You can connect an audio player and play along (or record) with a favorite song. The sound that's input to this jack will be output to the MASTER OUTPUT jacks and the PHONES jack.



(bottom)



TRIGGER INPUT connector

Connect the included dedicated cable to this connector, and use it to connect the pads and pedals (sold separately).

TRIGGER IN (AUX, CRASH 2) jacks

These allow you to connect additional pads (sold separately).

- * If you're using the TD-17KVX, the CRASH 2 jack is used for the cymbal pad.



MIDI OUT jack

Connect a sound module or other external MIDI device here.



SD CARD slot

Insert a commercially available SD card (SDHC cards (up to 32 GB) are supported). You can store songs or the unit's data on the SD card.

You can also use a card to load user samples or to export a recorded song.

- * The first time you use an SD card, you must initialize (format) the SD card on this unit (p. 22).
- * Never turn off the power or remove the SD cards while the screen indicates "Processing..." or "Now Saving..."



USB COMPUTER port

Use a USB cable to connect this unit to your computer. You can play/record your performance as audio/MIDI.

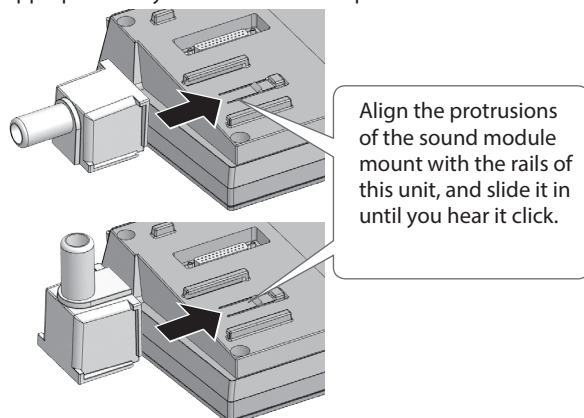


- * To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

Mounting This Unit on the Stand

Use the included sound module mount to attach this unit to your drum stand.

Attach the sound module mount in the orientation that's appropriate for your drum stand setup.



* 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.

Turning the Power On/Off

Turning the power on

1. Minimize the volume of this unit and the connected devices.
2. Press the [⏻] (power) button to turn on the power.
The power turns on.
3. Power-on the connected devices, and adjust the volume.

Turning the power off

1. Minimize the volume of this unit and the connected devices.
2. Turn off the power to the connected devices.
3. Hold down the [⏻] (power) button for one second or longer.

The screen indicates "Shutting Down" and after a time the power turns off.

MEMO

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. 23).

Making Hi-hat Settings

If you're using a VH-10 or VH-11 V-hi-hat (subsequently called a "VH"), adjust the offset on this unit.

This adjustment is required in order to correctly detect open, close, and pedal operations.

1. After making the hi-hat settings, release your foot from the pedal, and while keeping your foot off the pedal, turn on the power of this unit.
2. Loosen the clutch screw and let the hi-hat rest naturally on the motion sensor unit.
3. Press the [SETUP] button.
4. Use the dial to select the "Hi-Hat Settings," and press the [ENTER] button.
5. Use the dial to set the Pad Type to "VH10" or "VH11."
6. While reading the meter displayed on the right side of this unit's screen, adjust the offset with the VH's offset adjustment screw.

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



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

Reference

If you need, make further adjustments to the parameters, refer to "Data List" (PDF).

Using the Bluetooth® Functionality

TD-17-L excepted

Bluetooth functionality creates a wireless connection between a mobile device such as a smartphone or tablet (subsequently referred to as the “mobile device”) and this unit, allowing you to do the following.

Bluetooth audio

You can perform while using this unit to hear music being played back by a mobile device.

MIDI data transmission and reception

If a music app that supports Bluetooth MIDI (such as GarageBand) is installed on your mobile device, you can use it in conjunction with this unit.

Registering a Mobile Device (Pairing)

“Pairing” is the procedure by which the mobile device that you want to use is registered on this unit (the two devices recognize each other).

Here’s how to make settings so that music data being played by the mobile device is heard wirelessly from this unit.



1. Place the mobile device that you want to connect nearby this unit.
2. Press the [SETUP] button.
3. Use the dial to select the “Bluetooth,” and press the [ENTER] button.
4. Press the [F1] (PAIRING) button.

The display indicates “Now Pairing...,” and this unit waits for a response from the mobile device.

MEMO

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

5. Turn on the Bluetooth function of the mobile device.

MEMO

For details, refer to the owner’s manual of your mobile device.

6. Tap “TD-17 AUDIO” that is shown in the Bluetooth device screen of your mobile device.

This unit is paired with the mobile device. When pairing succeeds, “TD-17 AUDIO” is added to the list of “Paired Devices” on your mobile device.

In addition, this unit’s screen indicates “Connected.”

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

Connecting an Already-Paired Mobile Device

1. Turn on the Bluetooth function of the mobile device.

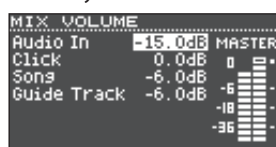
MEMO

- If you were unable to establish a connection using the procedure above, tap “TD-17 AUDIO” that is displayed in the Bluetooth device screen of the mobile device.
- To disconnect, either turn TD-17’s Bluetooth Audio function “OFF” (SETUP → Bluetooth → [F3] button) or turn the mobile device’s Bluetooth function off.
- You can delete the information of an already-paired mobile device (SETUP → Bluetooth → [F2] (SETUP) button → [F1] (RESET) button).

Playing Back Music

When you play back music on your mobile device, the sound is heard from the headphones or amplified speakers that are connected to this unit.

To adjust the volume of the Bluetooth audio, use Audio In ([DRUM KIT] button → [F2] (MIX VOL) button), or adjust the volume on your mobile device.



MEMO

Music played back by your mobile device can be recorded along with the sound of your performance on this unit (p. 10).

Using the Bluetooth MIDI Functionality

Here’s how to make settings so that MIDI data can be transmitted and received between this unit and your mobile device.

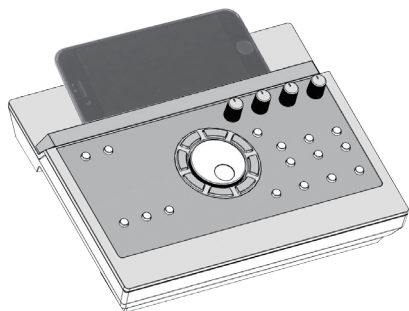
1. Turn on the Bluetooth functionality of your mobile device.
2. In the music app’s settings screen, choose “TD-17 MIDI” and connect it.

For details, refer to the owner’s manual of your music app.

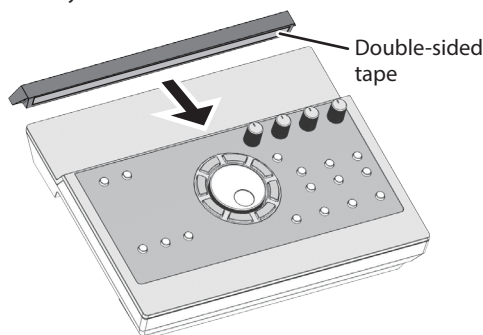
- * If you use the Bluetooth settings of your mobile device to connect to “TD-17 MIDI,” the unit might not operate correctly.

Place the Mobile Device on the Tray and Use It

You can attach the included tray holder on this unit's tray, and use it to hold your mobile device.

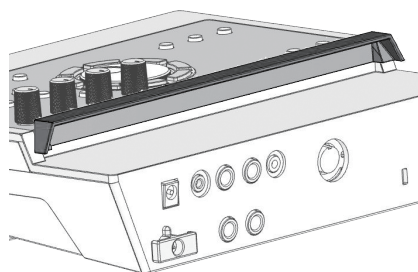


Attach the tray holder as shown in the illustration.



Installation tips

- To ensure that the tray holder is securely fastened to this unit, wait for a day after installation before placing your mobile device on the tray.
- If you are using a mobile device that is fairly thick, attach the tray holder in a raised position.



NOTE

This unit's tray area and tray holder do not ensure the safety or protection of your mobile device. Adjust the angle at which this unit is attached, and make sure that the mobile device is sufficiently secure before using it. Roland accepts no responsibility for any damage or problem that might result if your mobile device falls off the tray.

Connection state between this unit and the mobile device

The lit state of the Bluetooth indicator changes according to the state of the connection.



| Bluetooth indicator | Explanation |
|---------------------|--|
| Blinking | Pairing is in progress |
| Blink several times | Connection or disconnection is in progress |
| Lit | Bluetooth audio is connected |
| Unlit | Bluetooth audio is not connected |

Disabling the Bluetooth Functionality

Disable the Bluetooth functionality if you don't want this unit to be connected via Bluetooth with your mobile device.

1. Minimize the volume of this unit and of the connected mobile device.
2. Press the [SETUP] button.
3. Use the dial to select the "Bluetooth," and press the [ENTER] button.
4. Press the [F3] button to clear the check box.

* Before switching the Bluetooth function between enabled and disabled, be sure to minimize the volume of this unit and of the connected mobile device.

Specifying the Bluetooth ID

You can specify a number that is added following the device name of this unit when it is displayed by a Bluetooth connected application.

If you own multiple units of the same instrument, this is a convenient way to distinguish them.

1. Press the [SETUP] button.
2. Use the dial to select the "Bluetooth," and press the [ENTER] button.
3. Press the [F2] (SETUP) button.
4. Use the dial to edit the value of the setting.

| Value | Explanation |
|-----------|--|
| OFF, 1-99 | Set to "Off": "TD-17 AUDIO," "TD-17 MIDI" (default value) Set to "1": "TD-17 AUDIO 1," "TD-17 MIDI 1" |

5. Press the [F3] (SAVE) button.

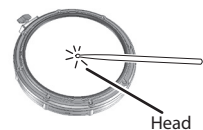
About Performance Techniques

This unit responds to a variety of performance techniques just like an acoustic drum set.

Pad

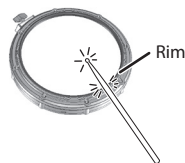
| Playing method | Explanation |
|----------------|-------------|
|----------------|-------------|

Head shot



Hit only the head of the pad.

Rim shot



Strike the head and the rim of the pad simultaneously.

A sound (rim sound) different than the head shot will be heard.

When XSTICK (p. 8) is on:

Only strike the rim of the pad.

Depending on the instrument assigned to the rim you can play rim shots and/or cross stick sounds.

- * This is available only for a pad that is connected to "SN" of the dedicated connection cable.

- * To play the cross stick, be sure that you only strike the rim of the pad. Placing your hand on the head of the pad might prevent the cross stick sound from being played properly.

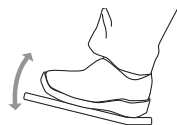
Cross stick (snare drum only) (p. 8)



Hi-hat

| Playing method | Explanation |
|----------------|-------------|
|----------------|-------------|

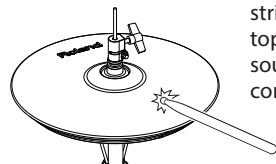
Open/closed



The hi-hat tone changes smoothly and continuously from open to closed in response to how far the pedal is pressed.

You can also play the foot closed sound (playing the hi-hat with the pedal completely pressed down) and foot splash sound (playing the hi-hat with the pedal fully pressed and then instantly opening it).

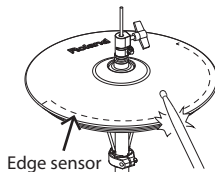
Bow shot



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.

| Playing method | Explanation |
|----------------|-------------|
|----------------|-------------|

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 figure, the "rim-side" sound of the connected trigger input is triggered.

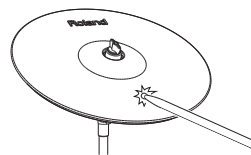
- * Striking directly on the edge (i.e., exactly from the side) will not produce the correct sound. Strike as shown in the illustration.

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

Cymbal

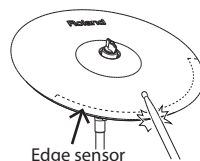
| Playing method | Explanation |
|----------------|-------------|
|----------------|-------------|

Bow shot



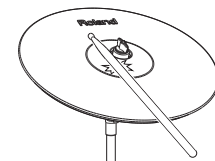
This is the most common playing method, playing the middle area of the cymbal. It corresponds to the sound of the "head-side" of the connected trigger input.

Edge shot



This playing method involves striking the edge with the shoulder of the stick. When played as shown in the figure, the "rim-side" sound of the connected input is triggered.

Bell shot (ride cymbal only)

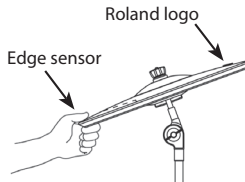


This is the technique of striking the bell. When the bell area shown in the illustration is struck, the bell sound is heard.

Strike the bell somewhat strongly with the shoulder of the stick.

- * Use a V-cymbal pad that supports Ride 3 way trigger.

Choke play



If you use your hand to choke (grasp) the edge sensor after striking the cymbal, the sound stops.

When you strike the cymbal in the choked state, the sound is shorter.

Operating Guide (Panel Descriptions)

Selecting a Kit

This unit lets you enjoy performing with a variety of sounds.

1. Press the [DRUM KIT] button.
2. Turn the dial to select a kit.

Reference

For details on the kits, refer to "Data List" (PDF).

Kits and Instruments

On this unit, the sound you hear when you strike each pad is called an "instrument." A "kit" is a set of sounds (instruments) assigned to the pads.



Making Overall Settings

Here's how to make overall settings for the entire unit.

1. Press the [SETUP] button.
2. Use the dial to select a menu item, and press the [ENTER] button.
3. Use the function buttons, [^] [V] buttons, or dial to edit the value.

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Turning the Power On/Off

Turns the power on/off.

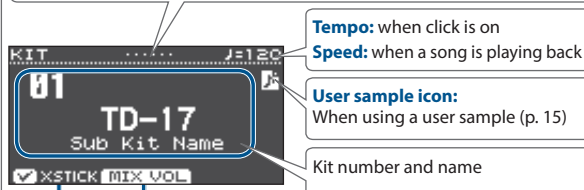
page 4

Viewing the Display

The kit name, tempo, and currently available functions are shown here.

Screen at startup (KIT screen)

The trigger meter shows the level of the trigger signal that's received when you strike a pad.



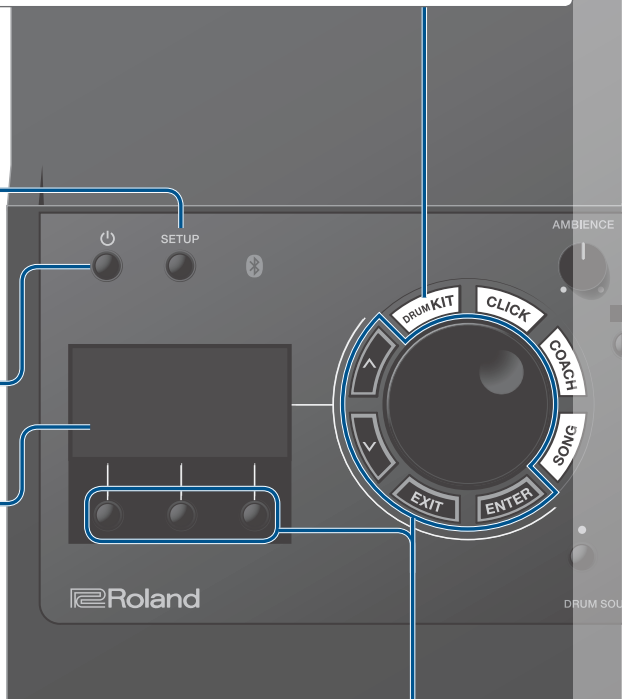
Using cross stick technique

Each time you press the [F1] (XSTICK) button, you switch between sounding or not sounding the snare pad's cross stick sound (p. 7).

Adjusting various volumes

1. Press the [F2] (MIX VOL) button.
2. Use the [^] [V] buttons and the dial to adjust the value.

| | |
|-------------|---|
| Audio In | Input volume of the device connected to the MIX IN jack and Bluetooth |
| Click | Volume of the click |
| Song | Volume of the song |
| Guide Track | Volume of the guide track (p. 13) |



*The illustration shows the TD-17.

Confirming an Operation / Editing a Value

| | |
|---|---|
| Confirm an operation / Proceed to the next screen | Press the [ENTER] button. |
| Cancel an operation / Return to the previous screen | Press the [EXIT] button. |
| Move the cursor up/down | Press the [^] [V] buttons. Turn the dial. |
| Edit the value | If you hold down the [ENTER] button and turn the dial, the value changes rapidly. |
| Specify a function shown in the bottom of the display | Press a function button. |
| Stop all currently-heard sound (All Sound Off) | Hold down the [ENTER] button and press the [EXIT] button. You can stop (mute) all currently-playing sound. |

Sounding a Click

1. Press the [CLICK] button.

| | |
|---------------------------|---|
| Turn the click on/off | Press the [F3] button. |
| | Turn the dial. |
| Change the tempo | Press the [SLOW] [FAST] buttons. |
| Change the time signature | Press the [F1] (MENU) button. → Use the [^] [v] buttons to select "Beat," and turn the dial. |

MEMO

- You can also turn click on/off by holding down the [ENTER] button and pressing the [CLICK] button.
- For details on other settings, refer to "Data List" (PDF).

Adjusting the Overall Tonal Character

| | |
|---------------------------------|---------------------------|
| Adjust the reverberation | Turn the [AMBIENCE] knob. |
| Adjust the low-frequency range | Turn the [BASS] knob. |
| Adjust the high-frequency range | Turn the [TREBLE] knob. |

MEMO

- AMBIENCE can be adjusted in detail in the OTHER menu (p. 17).
- In the SETUP menu (p. 20) you can adjust the way in which BASS and TREBLE are applied.

Adjusting the Overall Volume

| | |
|---------------------------|-------------------------|
| Adjust the overall volume | Turn the [VOLUME] knob. |
|---------------------------|-------------------------|

Customizing the Kit

You can customize the kit to your own preferences.

- Press one of the instrument edit buttons (such as the [ASSIGN] or [LEVEL] button).
- Press the [PAD SELECT] button or strike a pad to select the pad that you want to edit.
- Use the function buttons, [^] [v] buttons, or dial to edit the value.

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Practicing in Coach Mode

By practicing in Coach Mode, you can improve your speed control ability, accuracy, and endurance.

- Press the [COACH] button.
- Press a function button to select a practice menu.

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Performing or Recording Along with a Song

Performing Along with a Song from an Audio Player or Mobile Device

- Play back the audio player that's connected to the MIX IN jack or via Bluetooth.
- Press the [F2] (MIX VOL) button to adjust the volume of the song (p. 8).

Performing along with a song

- Press the [SONG] button.
- Turn the dial to select a song.
 - Each time you press the [F1] button, you switch between internal songs, audio files on the SD card (p. 23), and songs recorded on the SD card (recorded data that you exported) (p. 10).
 - By pressing the [F3] button to add a check mark to "GUIDE," you can sound the guide track (click tone) (p. 13).
- Press the [▶/■] button to play back.

Reference

For details on the internal songs, refer to "Data List" (PDF).

Recording (p. 10)

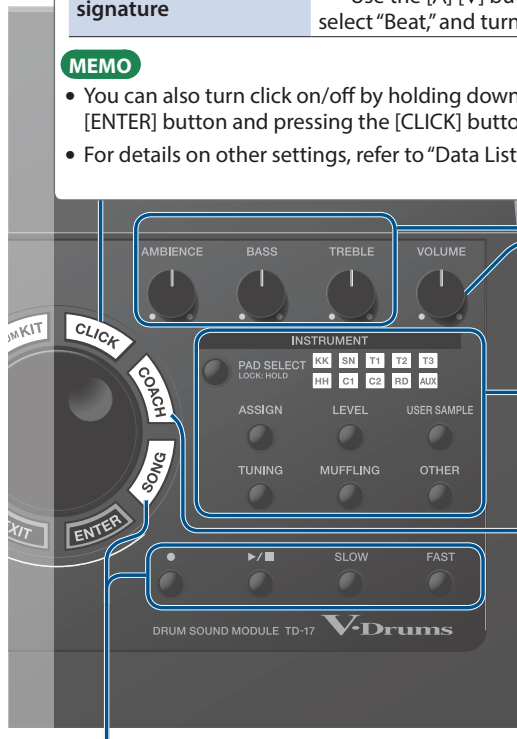
- In the KIT screen, press the [●] button.
- Press the [▶/■] button to start recording.
- Press the [▶/■] button to stop.
- Press the [F3] (EXPORT) button to save the song.

Operations during playback

| | |
|-----------------------|--|
| [▶/■] button | Play/stop the song |
| [^] [v] buttons | Rewind [^]/ fast-forward [v] the song |
| [SLOW] [FAST] buttons | Song playback speed |
| [ENTER] 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.

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



Recording

Recording a Performance

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

* If you want to save (export) your recorded song to an SD card, insert the SD card before you continue (p. 3).

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 [F2] (PREVIEW) button after recording, but cannot save the recording to this unit.

Recording

1. Press the [●] button.

The REC STANDBY screen appears, and this unit is in the record-standby condition.



MEMO

If you want to record along with a click, sound the click at this point (p. 9).

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 | 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 [F2] (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 → [ENTER] button to delete the song.

6. Press the [F3] (EXPORT) button to save the song.

Recording Your Performance Along with a Song

You can record your performance along with one of this unit's built-in songs (audio data) or a song that's saved on the SD card.

MEMO

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

Selecting and recording a song

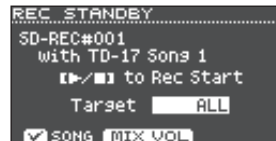
1. Select the song (p. 9).

2. Press the [●] button.

The REC STANDBY screen appears; this unit is in record-standby condition.

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

4. Press the [F1] button to add a check mark to "SONG."



5. Press the [▶/■] button to start recording.

This unit starts recording and the song starts playing.

6. Press the [▶/■] button once again to stop recording.

Playback and saving

7. Play back and save the recorded performance.

Recording on a Connected Computer

To enable this unit to transmit and receive MIDI, simply use a USB cable (sold separately) to connect it to your computer. In order to transmit and receive MIDI, set the USB Driver Mode to "GENERIC."

Reference

For details on the USB Driver Mode, refer to "Data List" (PDF).

Transmitting and Receiving Audio via USB (Installing the USB Driver)

The USB driver is software that transfers data between your computer's software and this unit.

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

1. Install the USB driver.

2. Set this unit's USB Driver Mode to "VENDOR."

* The setting takes effect when this unit is powered off and on again.

3. Connect this unit to the computer (p. 3).

MEMO

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

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

Practicing

Practicing in Coach Mode

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

These modes provide useful ways to strengthen your speed control, accuracy, and endurance, and will also improve your sense of timing.

Throughout the Coach modes, you will discover that some of them have programmable parameters, allowing you to adapt the functions to your specific needs.

Selecting a Practice Menu

1. Press the [COACH] button.
The COACH MENU screen appears.
2. Press a function button to select a practice menu.

Correctly Playing in Time with the Beat (TIME CHECK)

This mode lets you practice playing accurately along with the click.

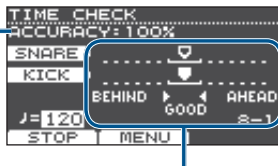
1. In the COACH MENU screen, press the [F1] (TIME CHECK) button.
2. Press the [F3] (START) button to start.

MEMO

If you decide to stop mid-way through practice, press the [F1] (STOP) button.

3. 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.

Example) For kick and snare

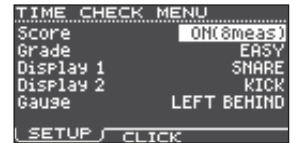


To resume practicing, press the [F3] (RETRY) button.

4. Press the [EXIT] button to finish.

TIME CHECK settings

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



| Parameter | Value | Explanation |
|------------------------|---------------------------|--|
| Score | OFF | Specifies whether the score will be shown in the screen. 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 | EASY | Specifies the strictness of scoring. 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 [F2] (CLICK) button to make click settings (p. 9).

Developing Internal Timing Sense (QUIET COUNT)

This mode will help you develop a good sense of time/tempo.

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 COACH MENU screen, press the [F2] (QUIET COUNT) button.
2. Press the [F3] (START) button to start.
3. 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..”



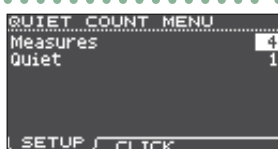
- When the click stops sounding, the screen indication will change to "Quiet." Continue striking the pads during this time.
- After the Quiet region, the proportion of your strikes that were played at an accurate tempo are shown as a "%" value.



4. Press the [F1] (STOP) button to stop.
5. Press the [EXIT] button to finish.

QUIET COUNT settings

In the QUIET COUNT screen, press the [F2] (MENU) 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 | RANDOM | Of the measures specified by "Measures," this setting specifies the length of the measures that will be "Quiet." 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 [F2] (CLICK) button to make click settings (p. 9).

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 [F3] (PAUSE) button to pause or resume.

While paused, you can press the [F1] (STOP) button to stop.



1. In the COACH MENU screen (p. 11), press the [F3] (WARM UPS) button.
2. Press the [F3] (START) button to start.

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 [F3] (RETRY) button.

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

3. Press the [EXIT] button to finish.

WARM UPS settings

In the WARM UPS screen, press the [F2] (MENU) 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 [F2] (CLICK) button to make click settings (p. 9).

Sounding a Click Along with a Song (Guide Track)

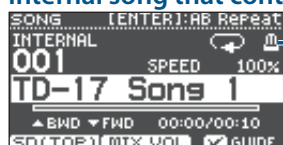
You can sound a click along with the song (guide track).

To use a guide track, select an internal song that contains a guide track. If you prepare a song in audio file (WAV file) format and an audio file that contains a click, you'll be able to play back a guide track that matches the song.

If you use an audio file of a song instead of a guide track, you can play back in two-track stereo.

Playing a Guide Track with an Internal Song

1. Press the [SONG] button.
2. Use the [F1] button and the dial to select an internal song that contains a guide track.



Metronome icon
(Shown when you select a song that has a guide track)

3. Press the [▶/■] button.

The guide track plays together with the song playback. As necessary, adjust the volume of the guide track (p. 8).

MEMO

- To mute the guide track, press the [F3] button to clear the check box.
- For details on the internal songs, refer to "Data List" (PDF).

Playing Your Own Guide Track with a Song

To play back the guide track of your choice, prepare a song in WAV file format and an audio file that contains the click sound.

* MP3 files are not supported.

Preparing an audio file for the guide

1. Prepare the audio file (WAV file) that you want to play back as a guide track.
Use commercially available DAW software etc. to create the audio file. Record the click sound at the tempo of the song.
2. On your computer, edit the file name of the file that you prepared in step 1.
Specify "song file name+_Click" as the name of the audio file that you want to play as the guide track.
Example) If the song file is "TD-17.wav," specify "TD-17_Click.wav."
3. Save the song and the click audio file in the root (top level) of the SD card (p. 23).
In the example above, save "TD-17.wav" and "TD-17_Click.wav" in the root level.

Playing back

1. Press the [SONG] button.
2. Use the [F1] button or the dial to select the song from the SD card that you want to play back together with the guide track.
For the example above, select "TD-17.wav" from the SD card as the song.
3. Press the [▶/■] button.
The guide track plays together with the song playback. As necessary, adjust the volume of the guide track (p. 8).

MEMO

To mute the guide track, press the [F3] button to clear the check box.

Customizing a Kit

Saving the settings

On this unit, your edits are saved automatically, so you don't have to perform any operation to save the settings.

Settings are also saved when you turn off the power.

Here's how to edit an individual instrumental sound such as the snare drum or kick drum.

Reference

For details on the parameters that can be edited, refer to "Data List" (PDF).

Choosing a Pad to Edit

Choosing by hitting a pad

To edit the settings for a pad, strike that pad to select it.

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

MEMO

By long-pressing the [PAD SELECT] button to make the PAD SELECT indicator blink, you can prevent the pad you're editing from being switched. This is convenient if you're playing a phrase while you edit.

Choosing with the [PAD SELECT] button

You can also use the [PAD SELECT] button to select the pad to edit.

Each time you press the [PAD SELECT] button, the pad you're editing will change. The PAD SELECT indicator of the selected pad is lit.

Setting a parameter for each strike location ([F1] (H&R ON) button)

In screens that show the [F1] (H&R ON) button, you can press the [F1] (H&R ON) button to add a check mark so that parameters such as for the head and rim can be selected and edited as a set.

If you clear the check mark, you'll be able to select and specify the head and rim (bow/edge/bell) independently.

* The upper right of the screen indicates which is selected. At this time, you can also hold down the [ENTER] button and press the [PAD SELECT] button to switch directly between the head and rim (bow/edge/bell).

Selecting an Instrument (ASSIGN)

Here's how to select the instrument that's played by each pad.

1. Press the [ASSIGN] button.

The INST ASSIGN screen appears.



Instrument group name
Instrument name

2. Select the pad that you want to edit.

3. Use the [^] [v] buttons to move the cursor to the instrument group or instrument, and use the dial to select an instrument.

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

MEMO

- For some instruments, you can press the [F2] button and make detailed settings.
- By pressing the [F3] (SUB) button you can select a sub-instrument (layer) and edit its settings.
- The recommended instruments are selected as a set according to the instrument that you select.
- If the [F1] (H&R ON) button shows a check mark, the instruments for the head and rim etc. can be selected as a set. According to the instrument that you select, the recommended instruments are selected as a set.
- For details on the instruments that can be selected and their parameters, refer to "Data List" (PDF).

Adjusting the Volume of Each Pad (LEVEL)

Here's how to adjust the volume and pan (stereo position) for each pad.

1. Press the [LEVEL] button.

The INST LEVEL screen appears.



2. Select the pad that you want to edit.

3. Turn the dial to edit the value.

| Button | Parameter | Explanation |
|----------------------|-----------|--|
| [F2] (VOLUME) button | VOLUME | Adjusts the volume of each pad. |
| [F3] (PAN) button | PAN | Adjusts the stereo position of each pad. |

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

Importing and Playing Audio Files (USER SAMPLE)

Audio files that you created on your computer can be imported from an SD card into this unit, 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 this unit

| WAV | |
|----------------------|---|
| Format (extension) | WAV (.wav) |
| Sampling frequency | 44.1 kHz |
| Bit rate | 16, 24-bit |
| Time (for each file) | Maximum 180 seconds (mono), Maximum 148 seconds (stereo) |

* File names or folder names that contain more than 14 characters are not shown correctly. Files and folders using double-byte characters are also not supported.

USER SAMPLE menu list

| Menu | Explanation |
|--------|-------------------------|
| Import | Importing an audio file |

Here's how to import an audio file into this unit as a user sample.

| | |
|-----------|---|
| Play Type | Specifying how the user sample is sounded |
|-----------|---|

You can specify how the user sample is sounded when you strike a pad, for example whether it sounds only once or repeatedly.

| | |
|------------------|--|
| Adjust Start/End | Specifying the sounded region of a user sample |
|------------------|--|

You can specify the region of a user sample that is actually sounded.

| | |
|--------|------------------------|
| Rename | Renaming a user sample |
|--------|------------------------|

Here's how to rename a user sample.

| | |
|--------|------------------------|
| Delete | Deleting a user sample |
|--------|------------------------|

Here's how to delete a user sample.

| | |
|----------|-------------------------------------|
| Renumber | Packing user sample numbers forward |
|----------|-------------------------------------|

If you repeatedly import and delete user samples, the numbers will become discontinuous.

This function lets you pack the user samples forward. The user sample assignments for kits are also updated so that they will sound correctly.

* If you executed Renumber, and then load previously-saved backup data or kit backup data (that does not include user samples), the user samples assigned to the kit will no longer be correctly reproduced.

| Menu | Explanation |
|----------|---------------------------------|
| Optimize | Optimizing the user sample area |

If you repeatedly import and delete user samples, the user sample area might become fragmented, reducing the number of user samples that can be loaded.

This function optimizes the area so that user samples can be loaded.

NOTE

- Be sure to back up before executing this (p. 21).
- This process might take more than an hour in some cases (This will vary depending on the number and size of the user samples).
- Never turn off the power while this operation is in progress. If you do so, the user samples might be lost.
- In some cases, optimizing might not produce results.

| | |
|------------|---------------------------|
| Delete All | Deleting all user samples |
|------------|---------------------------|

All user samples in the user memory are deleted.

NOTE

All user samples used in kits are also deleted. Pads to which a user sample is assigned will no longer produce sound.

Reference

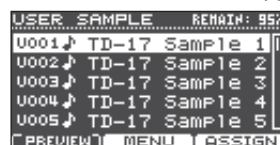
For details on the parameters that can be edited, refer to "Data List" (PDF).

Listing the User Samples

Here's how to view a list of all user samples that have been imported.

1. Press the [USER SAMPLE] button.

The USER SAMPLE screen appears.



MEMO

You can press the [F1] (PREVIEW) button to play back the selected user sample. If you press the [F1] (PREVIEW) button once again during playback, the playback stops.

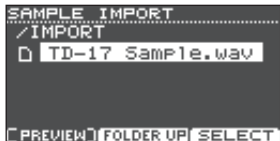
Importing an Audio File

Here's how to import an audio file into this unit as a user sample.

1. Insert an SD card into this unit (p. 3).
2. Press the [USER SAMPLE] button.
3. Press the [F2] (MENU) button.

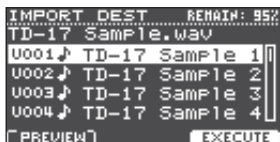
4. Use the dial to select the “Import,” and press the [ENTER] button.

The SAMPLE IMPORT screen appears.



5. Select an audio file, and press the [F3] (SELECT) button.

The IMPORT DEST screen appears.



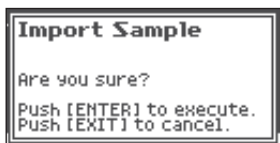
| Button | Function |
|--------------------------|----------------------------------|
| [^] [v] buttons /Dial | Moves cursor |
| [F2] (FOLDER UP) button | Exits a folder |
| [F3] (SELECT) button | Enters a folder/Specifies a file |

MEMO

- By pressing the [F1] (PREVIEW) button you can play back the selected audio file.
- It is convenient if the audio file to be imported has been saved in the IMPORT folder (p. 23) of the SD card.

6. Use the dial to select the import-destination number, and press the [F3] (EXECUTE) button.

A confirmation message appears.



If you decide to cancel, press the [EXIT] button.

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

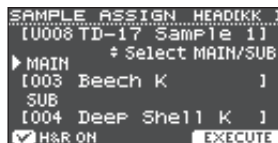
7. Press the [ENTER] button.

The audio file is imported.

Assigning a User Sample to an Instrument and Playing It

1. Press the [USER SAMPLE] button.
2. Use the dial to select the user sample that you want to assign, and press the [F3] (ASSIGN) button.

The SAMPLE ASSIGN screen appears.



3. Select the pad that you want to edit (p. 14).
4. Use the dial to select the instrument (main or sub) to which you want to assign the sample, and press the [F3] (EXECUTE) button.

A confirmation message appears.

If you decide to cancel, press the [EXIT] button.

5. Press the [ENTER] button.

When you strike the pad to which the user sample is assigned, you hear the user sample.

MEMO

- You can adjust a user sample’s tonal character and apply an effect to it in the same way as for other instruments.
- Selecting a user sample for an instrument can also be done in the INST ASSIGN screen (p. 14).

Editing User Samples

Here’s how to specify how a user sample is sounded and which portion of it is heard, or to delete or organize user samples.

Reference

For details on the parameters that can be edited, refer to “Data List” (PDF).

1. Press the [USER SAMPLE] button.
2. Turn the dial to move the cursor to the user sample that you want to edit.
3. Press the [F2] (MENU) button.

The USER SAMPLE MENU screen appears.



- Use the dial to select the menu, and press the [ENTER] button.
- Make settings as appropriate for the menu item that you selected.

Import

For details, refer to "Importing an Audio File" (p. 15).

Play Type, Adjust Start/End, Rename

- Use the function buttons, [^] [v] buttons, and dial to edit the value (or name).

Delete, Renumber, Optimize, Delete All

- Press the [ENTER] button.
An explanatory screen appears.
 - Press the [F3] (EXECUTE) button.
A confirmation message appears.
If you decide to cancel, press the [EXIT] button.
 - Press the [ENTER] button to execute.
- Press the [DRUM KIT] button to return to the KIT screen.

Tuning and Muffling Settings (TUNING/MUFFLING)

Here's how to edit the tuning or muffling (mute) settings for the head.

Reference

For details on the parameters that can be edited, refer to "Data List" (PDF).

- Press the [TUNING] button or the [MUFFLING] button.
- Select the pad that you want to edit (p. 14).
- Use the function buttons or dial to edit the value.

Other Settings (OTHER)

Here's how to edit the tonal character of each pad (pad equalizer) and settings for the overall kit (effects, volume, name, etc.).

OTHER menu list

| Menu | Explanation |
|------------------|--|
| AMBIENCE | Adjusts the reverberation |
| | By adjusting the room ambience (the type and size of the room), you can obtain a more natural drum sound with a sense of presence. The ambience effect can be applied to each kit. You can also specify how much effect is applied to each pad. |
| MULTI FX | Specifies an effect for the entire kit |
| | MULTI FX (multi effect) let you choose one of 30 types of effect, and apply it. The multi effect can be applied to each kit. You can also specify how much effect is applied to each pad. |
| PAD EQ | Adjusts the pad equalizer. |
| | Adjust the tonal character of each pad. |
| VOLUME | Specifies the volume of the entire kit |
| | Specify the volume of the entire kit. |
| NAME | Edits the name of the kit |
| | Edit the name of the kit (p. 18). |
| MIDI NOTE | Specifies MIDI settings for the kit |
| | Specify the MIDI message that is transmitted when the pad is struck or received to play the pad. |
| COPY | Copying a kit |
| | Copy a kit's settings, or restore the factory-set kit settings (p. 18). |
| SAVE/LOAD | Backing up or loading kits |
| | Save a kit's settings to an SD card (backed up), or write (load) them back into this unit (p. 19). |

Reference

For details on the parameters that can be edited, refer to "Data List" (PDF).

- Press the [OTHER] button.
The OTHER MENU screen appears.



- Use the [^] [v] buttons and the function buttons to select a menu item.
- Make settings as appropriate for the menu item that you selected.

AMBIENCE, MULTI FX, VOLUME

1. Use the function buttons, [^] [v] buttons, and dial to edit the settings.

PAD EQ, MIDI NOTE

1. Select the pad that you want to edit (p. 14).
2. Use the function buttons, [^] [v] buttons, and dial to edit the settings.

NAME

1. Use the function buttons, [^] [v] buttons, and dial to edit the name.

You can enter up to 12 characters as the kit name (upper line), and up to 16 characters as the sub-name (lower line).

| Controller | Explanation |
|----------------------|---|
| [^] [v] buttons | Move the cursor to the character that you want to change. |
| Dial | Change the character. |
| [F1] (INSERT) button | Insert a space at the cursor location. |
| [F2] (DELETE) button | Delete the character at the cursor location. |

COPY

For details, refer to “Copying a Kit” (p. 18).

SAVE/LOAD

For details, refer to “Backing Up or Loading Kits” (p. 19).

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

Copying a Kit

Here’s how to copy this unit’s kit settings or return the factory-set kit settings.

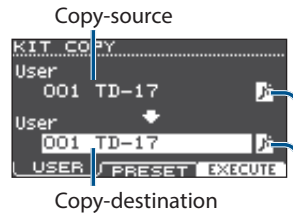
NOTE

When you execute a copy operation, the contents of the copy-destination are overwritten. If the destination contains settings that you want to keep, back them up to an SD card (p. 19).

1. Press the [OTHER] button.
2. Use the function buttons and the [^] [v] buttons to select “COPY.”
3. Use the function buttons, [^] [v] buttons, and dial to specify the copy settings.

[F1] (USER) button

Copies the kit’s settings.

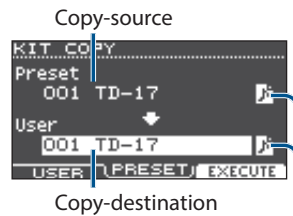


User sample icon

(shown only if a kit that uses user samples (p. 15) is selected)

[F2] (PRESET) button

Copies the factory-set kit settings.



User sample icon

(shown only if a kit that uses user samples (p. 15) is selected)

4. Press the [F3] (EXECUTE) button.
A confirmation message appears.
If you decide to cancel, press the [EXIT] button.
5. Press the [ENTER] button to execute.

Backing Up or Loading Kits

The settings of individual kits stored in this unit can be saved (backed up) to an SD card, or read (loaded) back into this unit (a maximum of 999 kits).

1. Press the [OTHER] button.
2. Use the function buttons or the [^] [v] buttons to select "SAVE/LOAD."
3. Use the function buttons, [^] [v] buttons, and dial to make backup/load settings.

[F1] (SAVE) button

Back up a kit to SD card.

| | |
|----------------------|--|
| Data to be backed up | Whether to back up the user samples that are assigned to the kit |
|----------------------|--|



Backup-destination

User sample icon
(shown only if a kit that uses user samples (p. 15) is selected)

[F2] (LOAD) button

Load a kit from SD card.

| | |
|-------------------|--|
| Data to be loaded | Whether to load the user samples that are saved with the kit |
|-------------------|--|



Load-destination

User sample icon
(shown only if a kit that uses user samples (p. 15) is selected)

* If you are backing up/loading the backup data that does not include user samples, you can't select the "With User Sample" check box.

4. Press the [F3] (EXECUTE) button.
A confirmation message appears.
If you decide to cancel, press the [EXIT] button.
5. Press the [ENTER] button to execute.

Note when backing up or loading

- * 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.
- * When you load user samples, new user samples are created even if the same user samples already exist. The newly created user samples are automatically assigned to the loaded kit.
- * In order to load user samples, there must be sufficient free space for the user samples.

Overall Settings (SETUP)

Basic Procedure

Here's how to make settings for the overall tonal character or pads of the entire unit.

SETUP menu list

| Menu | Explanation |
|------------------------|---|
| Bluetooth | Makes Bluetooth settings Make Bluetooth settings (p. 5). |
| SD Card | Backing up data to an sd card You can save the settings of the entire this unit to an SD card, or read (load) them back into this unit (p. 21). |
| Bass/Treble | Adjusts how the low and high frequency ranges are controlled Adjust the way in which the [BASS] and [TREBLE] knobs control the low and high frequency ranges. Bass and Treble settings apply to all kits. |
| Pad Settings | Editing the pad settings Edit the pad settings (p. 21). |
| Hi-Hat Settings | Making hi-hat settings Edits the hi-hat settings (p. 4). |
| MIDI | Edits MIDI settings Edit the MIDI settings for the entire unit. |
| LCD | Adjusts the display contrast Adjust the contrast of the display. |
| USB | Specifies USB settings Specify the USB settings. |
| AUTO OFF | Automatically turns the power off after a specified time (AUTO OFF) Specify the AUTO OFF setting (p. 23). |
| System Info | Displays the program version Displays the program version. |
| Factory Reset | Returning to the Factory Settings Return to the factory settings (p. 24). |

Reference

For details on the parameters that can be edited, refer to "Data List" (PDF).

1. Press the [SETUP] button.

The SETUP MENU screen appears.



2. Use the dial to select the menu, and press the [ENTER] button.

3. Make settings as appropriate for the menu item that you selected.

Bluetooth

For details, refer to "Using the Bluetooth® Functionality" (p. 5).

SD Card

For details, refer to "Backing Up Data to an SD Card" (p. 21).

Bass/Treble, Pad Settings, Hi-Hat Settings, MIDI, LCD, USB

1. Use the function buttons, [^] [V] buttons, and dial to edit the settings.

AUTO OFF

For details, refer to "Making the Power Automatically Turn off After a Time (AUTO OFF)" (p. 23).

System Info

Displays the program version.

Factory Reset

For details, refer to "Restoring the Factory Settings" (p. 24).

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

Editing the Pad Settings

Here's how to edit the pad settings so that the signal from each pad is processed correctly by this unit.

Specifying the Type of Pad

1. Press the [SETUP] button.
2. Use the dial to select the "Pad Settings," and press the [ENTER] button.

The PAD SETTINGS screen appears.



3. Press the [F1] (TYPE) button.
4. Select the pad that you want to edit (p. 14).
5. Turn the dial to specify the type of pad.

Adjusting the Pad's Sensitivity

Here's how to adjust the pad's sensitivity to get the appropriate correspondence between the strength of the strike and the loudness of the resulting sound.

1. Access the PAD SETTINGS screen.
2. Press the [F2] (BASIC) button.
3. Select the pad that you want to edit (p. 14).
4. Use the [^] [v] buttons to select "Sensitivity."
5. Turn the dial to adjust the sensitivity.

Reference

You can make detailed parameter settings as necessary. For details, refer to "Data List" (PDF).

Backing Up Data to an SD Card

Settings stored in this unit can be saved (backed up) to an SD card, or loaded into this unit.

MEMO

You can also back up or load individual kits (p. 19).

Backing Up to an SD Card

Here's how to save all settings that are stored in this unit (up to 99 sets).

1. Insert an SD card into this unit (p. 3).
2. Press the [SETUP] button.
3. Use the dial to select the "SD Card," and press the [ENTER] button.

The SD CARD MENU screen appears.



4. Use the dial to select the "Save Backup," and press the [ENTER] button.

The SD CARD SAVE BACKUP screen appears.



5. Use the [^] [v] buttons and the dial to make backup settings.

| Parameter | Explanation |
|-------------|--|
| User Sample | Select whether already-imported user samples are also backed up. |
| Bank | 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.

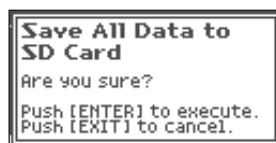
6. Press the [F3] (NEXT) button.

MEMO

If you want to assign a name to the backup data, press the [F1] (NAME) button and assign a name (p. 18).

7. Press the [F3] (EXECUTE) button.

A confirmation message appears.



If you decide to cancel, press the [EXIT] button.

8. Press the [ENTER] button to execute.

Loading Backup Data from an SD Card

Here's how to load backup data from an SD card into this unit.

1. Insert an SD card into this unit (p. 3).
2. Access the SD CARD MENU screen (p. 21).
3. Use the dial to select the "Load Backup," and press the [ENTER] button.

The SD CARD LOAD BACKUP screen appears.



4. Use the [^] [V] buttons and the dial to specify the loading settings.

| Parameter | Explanation |
|-------------|--|
| User Sample | Select whether to load user samples as well. |
| Bank | Select the backup number. |

* If user samples are loaded, the user samples in this unit are overwritten by the user samples included in the backup data. Depending on the size of the user samples, it might take ten minutes or longer to load the data.

5. Press the [F3] (EXECUTE) button.
A confirmation message appears.
If you decide to cancel, press the [EXIT] button.
6. Press the [ENTER] button to execute.

Deleting Backup Data from an SD Card

Here's how to delete unneeded backup data (including user samples) from an SD card.

1. Insert an SD card into this unit (p. 3).
2. Access the SD CARD MENU screen (p. 21).
3. Use the dial to select the "Delete," and press the [ENTER] button.

The SD CARD DELETE screen appears.



4. Turn the dial to select the backup data that you want to delete.

[F1] (BACKUP) button

Deletes backup data.

[F2] (1 KIT) button

Deletes kit backup data.

5. Press the [F3] (EXECUTE) button.
A confirmation message appears.
If you decide to cancel, press the [EXIT] button.
6. Press the [ENTER] button to execute.

Formatting an SD Card

Here's how to format an SD card.

* Before using an SD card for the first time, you must use this unit to initialize (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 this unit (p. 3).
2. Access the SD CARD MENU screen (p. 21).
3. Use the dial to select the "SD Card Format," and press the [ENTER] button.
4. Press the [F3] (EXECUTE) button.
A confirmation message appears.
If you decide to cancel, press the [EXIT] button.
5. Press the [ENTER] button to execute.

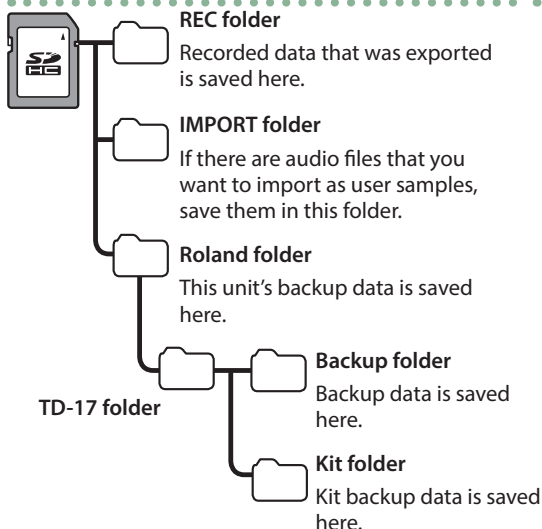
Checking the Usage Status of an SD Card

Here's how to check the number of settings that are saved on the SD card.

1. Insert an SD card into this unit (p. 3).
2. Access the SD CARD MENU screen (p. 21).
3. Use the dial to select the "SD Card Info," and press the [ENTER] button.

| Parameter | Explanation |
|------------|---------------------------------|
| Backup All | Number of saved backup data |
| 1 Kit | Number of saved kit backup data |

SD card folder structure



When saving audio files on an SD card

Audio files can be played back from the root level of the SD card drive (p. 9).

* Make sure that no single file is larger than 2 GB.

Audio files that can be played by this unit

| | 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 that contain more than 14 characters are not shown correctly. Files using double-byte characters are also not supported.

Making the Power Automatically Turn off After a Time (AUTO OFF)

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.

* To restore power, turn the power on again.

1. Press the [SETUP] button.
2. Use the dial to select the "AUTO OFF," and press the [ENTER] button.

The AUTO OFF screen appears.



3. Turn the dial to set the AUTO OFF function.

| Value | Explanation |
|---------|--|
| OFF | The power does not turn off automatically. |
| 10 MINS | The power turns off automatically when no pad has been struck or any operation performed for the specified time (10 minutes, 30 minutes, 4 hours). |
| 30 MINS | |
| 4 HOURS | |

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

MEMO

If the AUTO OFF function is set, a countdown message is shown before the power turns off.

The timing at which the countdown message appears depends on the AUTO OFF setting.

Restoring the Factory Settings

The “Factory Reset” operation returns all data and settings stored in this unit to their factory-set condition.

NOTE

When you execute this operation, all data and settings in this unit will be lost. Before you proceed, you should save any important data and settings to your SD card (p. 21).

1. Press the [SETUP] button.
2. Use the dial to select the “Factory Reset,” and press the [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 this unit are overwritten by the factory-set data.

3. Press the [F3] (EXECUTE) button.

A confirmation message appears.



If you decide to cancel, press the [EXIT] button.

4. Press the [ENTER] button to execute.

Troubleshooting

| Problem | Items to check | Action | Page |
|---|--|--|-------|
| Problems with sound | | | |
| A specific pad does not sound | Are the cables correctly connected to each pad and pedal? | Check the connections. | p. 3 |
| | Could the instrument be "OFF"? | Assign an instrument. | p. 14 |
| | Could the instrument's "Volume" be lowered? | Adjust the instrument's "Volume." | p. 14 |
| | 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. 15 |
| | Is the pad type specified correctly? | Specify the type of pad. | p. 21 |
| | Are the cables correctly connected to each pad and pedal? | Check the connections. | p. 3 |
| No sound/Insufficient volume | Is the product correctly connected to the external devices? | Check the connections. | p. 3 |
| | Could the unit's volume be lowered? | Adjust the volume to an appropriate level. | p. 9 |
| | Could the volume of the connected amplified speaker be lowered? | | - |
| | Have you made the correct input selection on your audio system? | Check your audio system. | - |
| | Could the volume be lowered on the device connected to the MIX IN jack? | Adjust the volume to an appropriate level. | - |
| | Is the unit's input level lowered? | Adjust the volume to an appropriate level. | p. 8 |
| | Could "Local Control" be "OFF"? | Set "Local Control" to "ON." | ➔ PDF |
| | 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. | - | |
| Problems 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. 22 |
| 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. 23 |
| | Playback may be unable to keep up if you raise the playback speed of a high bit-rate of MP3. | - | - |
| 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. 23 |
| | Is the audio file in the correct location? | Check the location of the audio file. | p. 23 |
| | Could a large number of audio files be in the folder? | Keep the number of audio files in a folder to 200 or fewer. | - |

Troubleshooting

| Problem | Items to check | Action | Page |
|--|--|--|-------|
| Problems with USB | | | |
| Can't communicate with a computer | Is the USB cable connected correctly? | Check the connections. | p. 3 |
| | In order to transmit and receive audio as USB AUDIO, the USB driver must be installed. | Install the USB driver on your computer. | p. 10 |
| | 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 |
| Problems with MIDI | | | |
| No sound | Are the MIDI cables connected correctly? | Check the connections. | p. 3 |
| | 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 |

Problems with Bluetooth functionality

TD-17-L excepted

| Problem | Items to check/Action | Page | |
|---|---|--|------|
| This unit does not appear in the Bluetooth device list of your mobile device | Could the Bluetooth function be turned "Off"? Turn the Bluetooth function "ON." SETUP → "Bluetooth" → "ON" Bluetooth Audio function: When pairing begins, the device "TD-17 AUDIO" appears. Bluetooth MIDI function: A device named "TD-17 MIDI" appears. You can check this from the settings inside an app such as GarageBand. | p. 5 | |
| Can't connect to Bluetooth audio | If this unit is visible as a device in the mobile device's Bluetooth settings | Delete the device's registration, turn the Bluetooth Audio function "OFF" and then "ON" again, and establish pairing once again. | p. 5 |
| | If this unit is not visible as a device | Turn the mobile device's Bluetooth function off and then on again, and initiate pairing from this unit to re-establish pairing. | p. 5 |
| Can't connect to Bluetooth MIDI | After unpairing the "TD-17 MIDI" that is registered on the mobile device, turn the mobile device's Bluetooth function off and then on again, and reconnect it. | - | |
| Can't connect via MIDI | You must make the connection not from the mobile device's Bluetooth setting but from the setting within GarageBand or other app that you're using. | | |
| Can't establish pairing with the MIDI function | The MIDI function is paired when you first select a device on the mobile device and establish a connection. There is no need to initiate pairing from this unit. | | |
| Can't connect a paired mobile device | If the connection breaks immediately after it is established, turning the Bluetooth device's Bluetooth switch off and then on again may allow connection to occur. | | |

MEMO

If checking these points does not solve the problem, please refer to the Roland support website.

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

USING THE UNIT SAFELY

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. 23).



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 a stand (refer to the 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) 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.



CAUTION

Cautions when moving this unit

If you need to move the stand, take note of the precautions listed below. At least two persons are required to safely lift and move the unit. It should be handled carefully, all the while keeping it level. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.



- Check whether any hand knobs or bolts that secure this unit and the stand might be loose. If any are loose, tighten them securely.
- Disconnect the power cord.
- Disconnect all cords coming from external devices.

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.



- Removable Parts
- Cable cap

IMPORTANT NOTES

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.

- Do not use connection cables that contain a built-in resistor.
- This unit's tray area and tray holder do not ensure the safety or protection of your mobile device. Adjust the angle at which this unit is attached, and make sure that the mobile device is sufficiently secure before using it. Roland accepts no responsibility for any damage or problem that might result if your mobile device falls off the tray.
- Depending on the conditions of installation, the feet of this unit might mar the table or other surface. By spreading a cloth or similar material under this unit, you can use it without any such concern. In this case, make sure that the unit does not slide or move during use.

Using External Memories

- All memory cards eventually wear out. We recommend that you consider the memory card not as a permanent storage site, but as a place to store data temporarily. We also recommend that you back up important data onto the another media that is supported by your unit.

- 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.
- Some memory card types or memory cards from some manufacturers may not record or play back properly on the unit.

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.

Main Specifications

Intellectual Property Right

- It is forbidden by law to make an audio recording, video recording, copy or revision of a third party's copyrighted work (musical work, video work, broadcast, live performance, or other work), whether in whole or in part, and distribute, sell, lease, perform, or broadcast it without the permission of the copyright owner.
- Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.
- The copyright of content in this product (the sound waveform data, style data, accompaniment patterns, phrase data, audio loops and image data) is reserved by Roland Corporation.
- Purchasers of this product are permitted to utilize said content (except song data such as Demo Songs) for the creating, performing, recording and distributing original musical works.
- Purchasers of this product are NOT permitted to extract said content in original or modified form, for the purpose of distributing recorded medium of said content or making them available on a computer network.
- The SD logo (SD) and SDHC logo (SDHC) are trademarks of SD-3C, LLC.
- ASIO is a trademark and software of Steinberg Media Technologies GmbH.
- This product contains eParts integrated software platform of eSOL Co.,Ltd. eParts is a trademark of eSOL Co., Ltd. in Japan.
- The **Bluetooth**® word mark and logos are registered trademarks owned by **Bluetooth SIG, Inc.** and any use of such marks by Roland is under license.
- This Product uses the Source Code of µT-Kernel under T-License 2.0 granted by the T-Engine Forum (www.tron.org).
- Roland, V-Drums, and Noise Eater are either registered trademarks or trademarks of Roland Corporation in the United States and/or other countries.
- Company names and product names appearing in this document are registered trademarks or trademarks of their respective owners.

Main Specifications

Roland TD-17, TD-17-L: Drum Sound Module

| | |
|-----------------------|--|
| Drum Kits | 100 (Preset: 50) |
| Instruments | 310 |
| User Sample | Internal memory size: 32M bytes Number of user sample: Maximum 100 (includes factory preloaded user samples) Sound length (total): 295 seconds in mono, 148 seconds in stereo File format: WAV (44.1 kHz, 16/24 bits) |
| Kit Effects | Ambience: 25 types Multi effect: 30 types Pad equalizer: Capable to each pad |
| Master Effects | Bass (EQ), Treble (EQ) |
| Bluetooth (*1) | 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 | File format: WAV (44.1 kHz, 16/24 bits), MP3 (*2) |
| Recorder | Recording method: Realtime Maximum length: 60 min (Temporary recording: 3 min) (*3) File format: WAV (44.1 kHz, 16 bits) |
| Display | 128 x 64 dots graphic type LCD (with backlight) |
| Power Supply | AC adaptor (DC 9 V) |
| Current Draw | 490 mA |
| Dimensions | 223 (W) x 196 (D) x 65 (H) mm 8-13/16 (W) x 7-3/4 (D) x 2-9/16 (H) inches |
| Weight | 0.9 kg / 2 lbs (excluding AC adaptor) |

| | |
|--------------------|---|
| Accessories | Sound module mount Tray holder AC adaptor Special connection cable Owner's Manual Leaflet "USING THE UNIT SAFELY" |
| Options | Pads: PD series, PDX series, BT series Cymbals: CY series Kick: KD series Kick pedal: KT series Hi-hat: VH-11, VH-10 Hi-hat control pedal: FD series Drum stand: MDS series Cymbal mount: MDY series Pad mount: MDH series Acoustic drum trigger: RT series Personal drum monitor: PM series V-Drums accessory package: DAP-3X V-Drums mat: TDM series Noise Eater: NE series SD card |

*1: Bluetooth function is not available for TD-17-L.

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

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

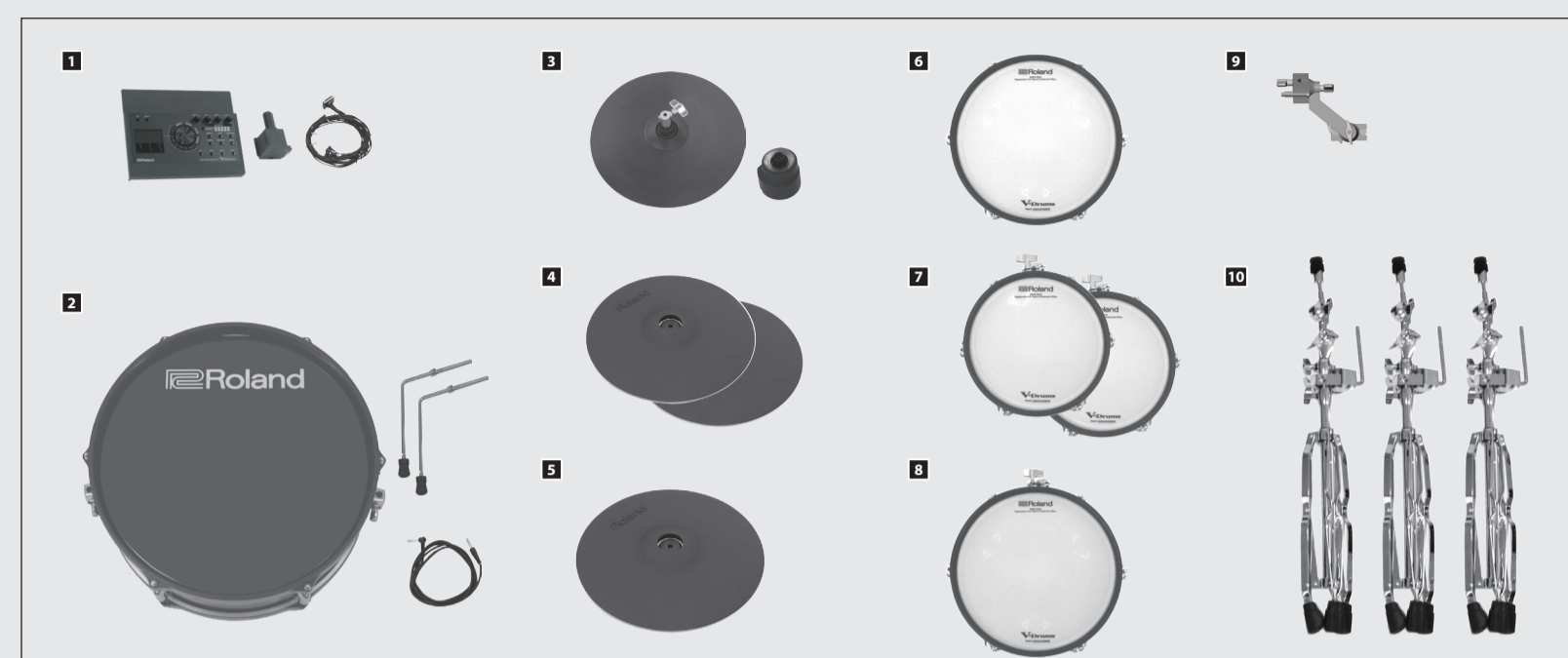
* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

1 Check the included items

As soon as you open the package, check to see that all items are included. If anything is missing, please contact your dealer.

- * This package does not include a kick pedal, a hi-hat stand, and a snare stand. Use with a commercially available kick pedal, hi-hat stand, and snare stand.
- * The drum key used to attach the pads is inside the packing carton of the bass drum.

VAD306 parts



- | | |
|---|--|
| <ul style="list-style-type: none"> 1 TD-17 (Drum sound module) x 1 Sound module mount x 1 Drum key x 1 Dedicated connection cable x 1 2 KD-180L (Bass drum) x 1 Rod (with memory lock) x 2 Trigger cable x 1 (for connecting Crash 2) 3 VH-10 (Hi-hat) x 1 4 CY-12C (Crash 1, Crash 2) x 2 5 CY-13R (Ride) x 1 6 PDA120LS (Snare) x 1 7 PDA100L (Tom 1, Tom 2) x 2 8 PDA120L (Floor tom) x 1 9 APC-30 (All purpose clamp) x 1 10 DCS-10 (Drum combination stand) x 3 | <p>Owner's Manuals</p> <ul style="list-style-type: none"> □ VAD306 Setup Guide (this document) □ TD-17 Owner's Manual □ KD-180L Owner's Manual □ CY-13R/CY-12C Owner's Manual □ VH-10 Owner's Manual □ DCS-10 Owner's Manual □ PDA120LS/PDA120L/PDA100L Owner's Manual |
|---|--|

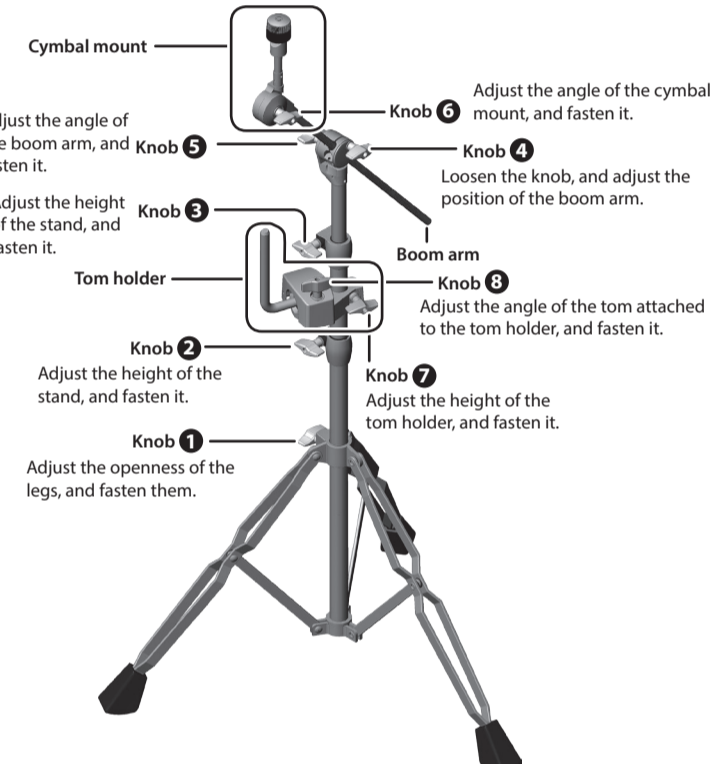
2 Set Up the Stand

- * The tips of the cymbal mount and tom holder are sharp. Handle them with care.
- * When setting up or storing the stand, be careful not to pinch the fingers you use to handle the stand.

Setup procedure

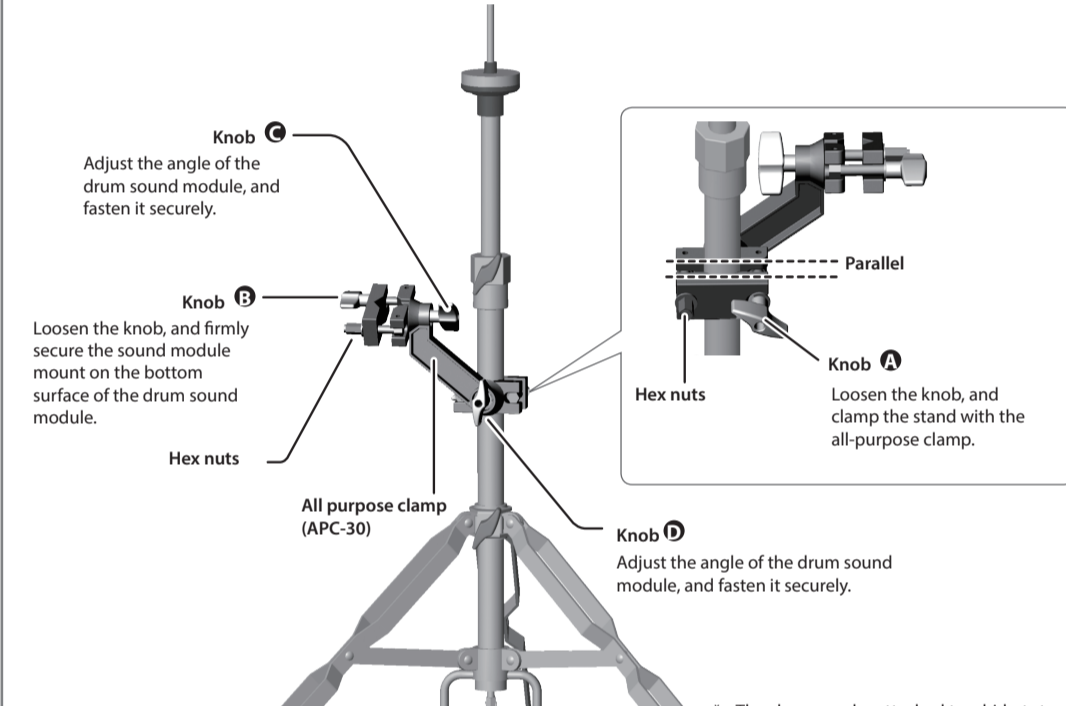
Set up the stand as shown in the illustration.

Combination stand (DCS-10)



Attach the all-purpose clamp to the hi-hat stand (commercially available).

Hi-hat stand



* The clamp can be attached to a hi-hat stand with a pipe diameter in the range of 15.9-28.6 mm (5/8"-1-1/8 inches).

NOTE Stand

- When setting up, ensure that the tripod of the stand is sufficiently open. If the tripod is insufficiently open, the appropriate degree of stability might not be obtained.
- If you are using the boom arm in a lengthened position, stability will improve if the cymbal is directly above one of the tripod legs.
- Likewise, when attaching the tom to the tom holder, stability will improve if the tom is directly above one of the tripod legs.
- When you loosen the knob while adjusting the height or angle of tom or cymbal, the pipe or pad might fall and pinch your fingers. Use one hand to support the tom, pipe, or cymbal mount while you slowly loosen the knob.
- To prevent the stand from tipping over or falling, tighten the knobs until there is no looseness. When tightening knob 6 or knob 7, ensure that the gears that maintain the angle are firmly meshed.

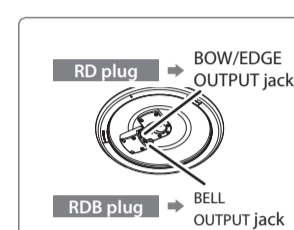
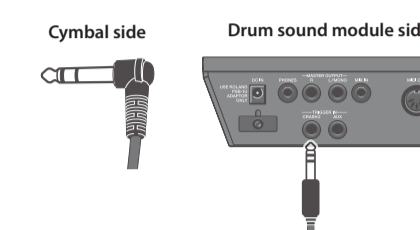
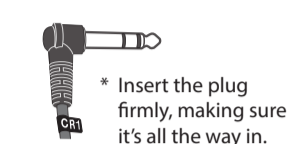
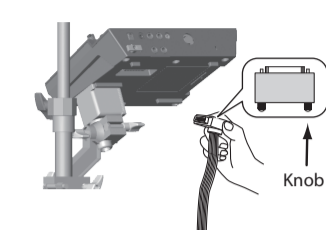
NOTE All purpose clamp

- Tighten the hex nut according to the diameter of the pipe that is being clamped. Ensure that the clamp is parallel with the main unit when the knob 9 and knob 10 is tightened.
- To prevent the stand from tipping over or falling, tighten the knobs until there is no looseness. When tightening knob 9 or knob 10, ensure that the gears that maintain the angle are firmly meshed.

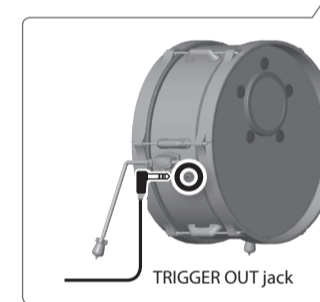
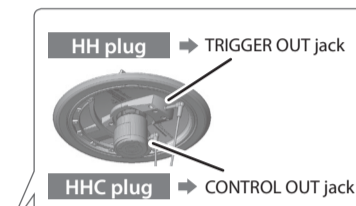
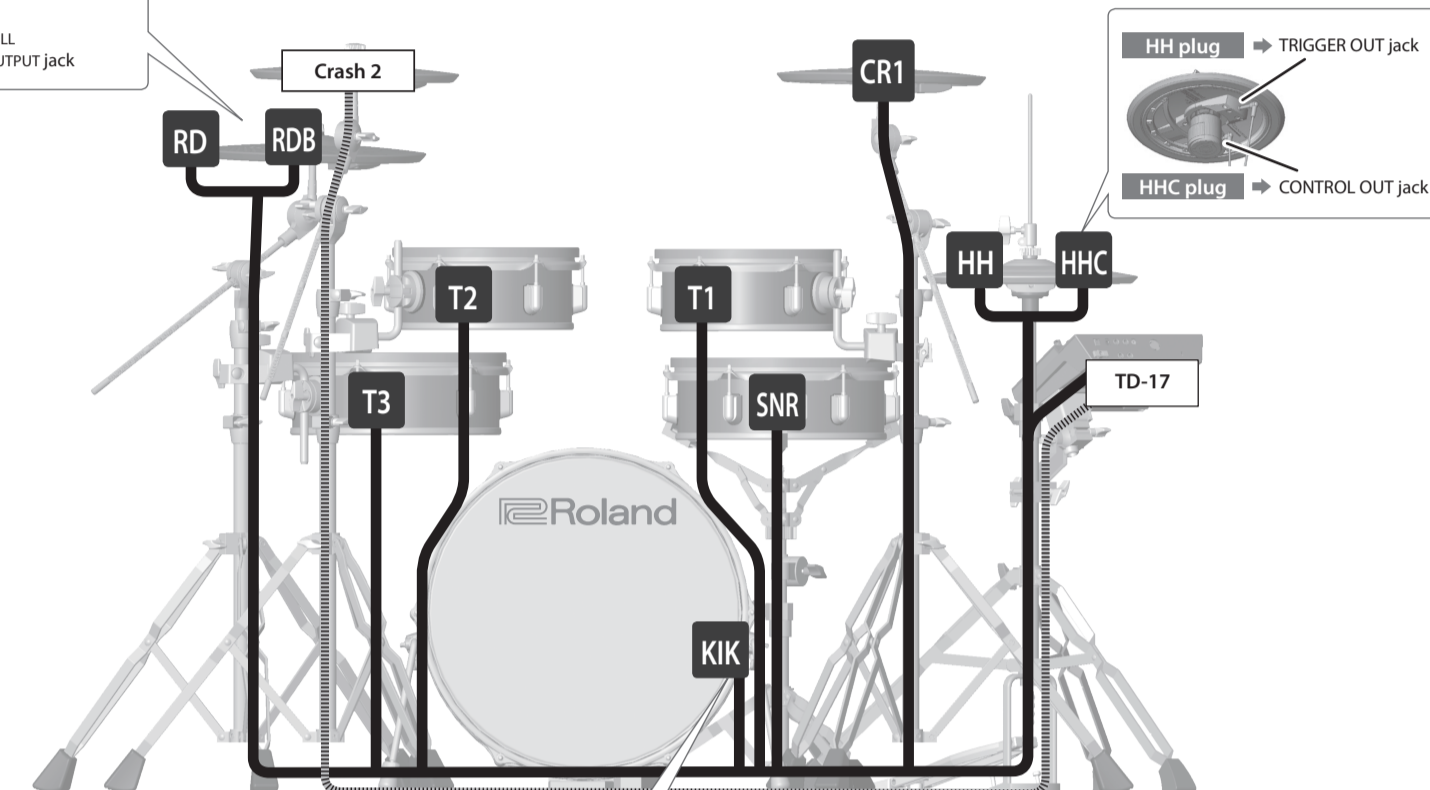
4 Connect the pads to the drum sound module

Connection procedure

1. Connect the dedicated connection cable to the TRIGGER INPUT connector on the bottom of the drum sound module. Insert the connector all the way, then turn the knobs to fasten it securely.
2. Labels indicating the pad to be connected are attached to the dedicated connection cable. Connect the cable to the OUTPUT jack of each pad as shown in the illustration below.
3. Use the trigger cable included with the bass drum to connect Crash 2 to the CRASH 2 jack on the rear panel of the drum sound module.



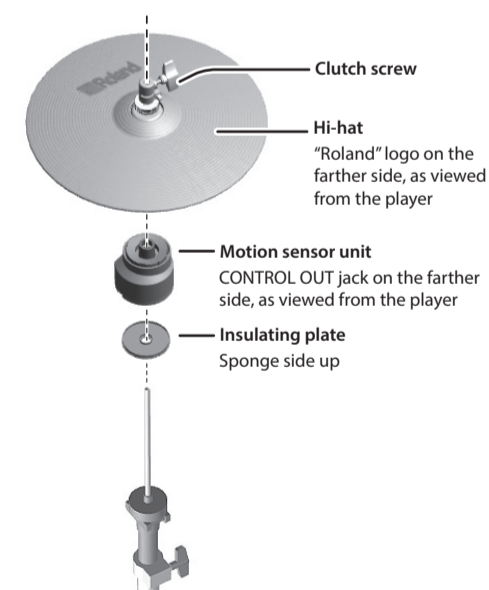
As seen from the front



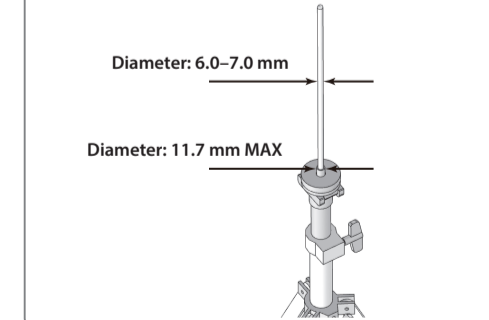
- Labels attached to the end of the cable
- Dedicated connection cable
- Trigger cable (Crash 2)

3 Attaching Various Parts

Attach the hi-hat

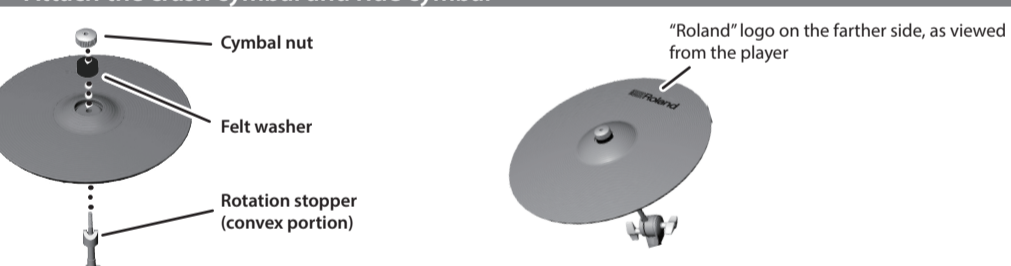


Compatible stands

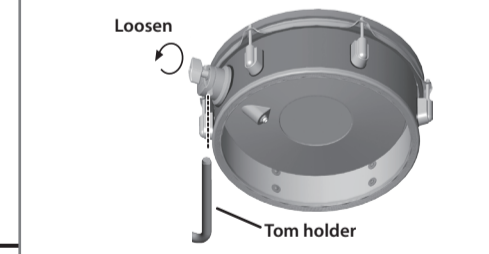


Attach the crash cymbal and ride cymbal

1. Position the cymbal so that the stopper (convex portion) of the cymbal mount is aligned with the concave portion of the bottom of the cymbal.
 2. Tighten the cymbal nut to obtain an appropriate amount of sway.
- * Use the cymbal nut and felt washer that are included with the drum stand.



Attach the toms



Attach the kick pedal

1. Loosen the rod lock knob, and attach the rod. Position the rod so that the memory lock is in close contact with the bracket of the main unit, and then tighten the rod lock knob.
 2. Attach the kick pedal at the kick pedal attachment position (the gap in the batter hoop).
- Attach the kick pedal so that its entire bottom surface contacts the floor.

MEMO
For details on attaching the kick pedal, refer to the owner's manual of your kick pedal.

Attach the drum sound module

1. Adjust the angle of the drum sound module.
 2. Insert the Sound module mount into the all-purpose clamp that is attached to the stand.
 3. Adjust the angle of the drum sound module.
- Align the protrusions of the sound module mount with the slots of this unit, and slide it in until you hear it click.

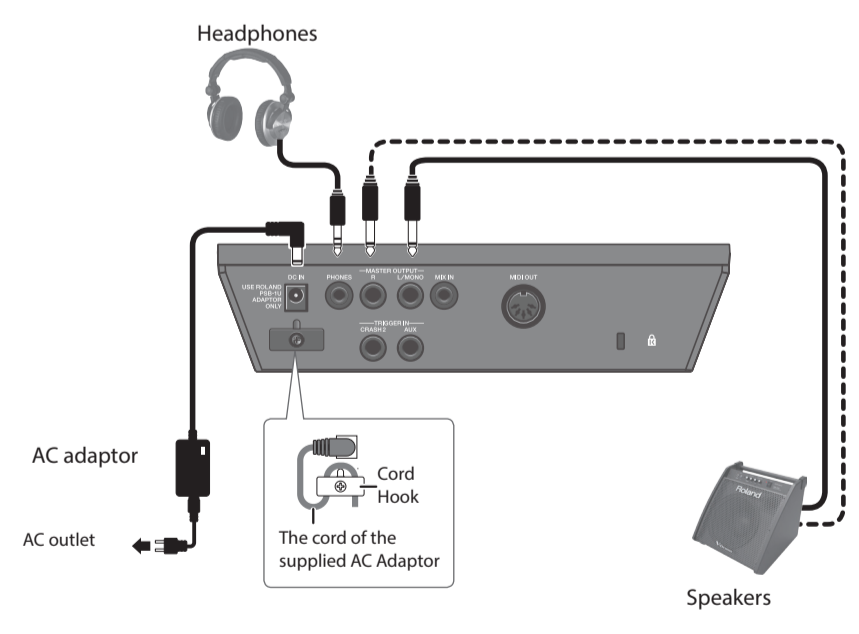
Mounting the snare on a snare stand

The PDA120LS can only be used with a commercially available snare stand.
* Make sure that the snare stand you are using is able to support a 12-inch shell.

5 Connect the AC adaptor and headphones

Connect the AC adaptor, headphones, or speakers.

- * To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.
- * As shown in the illustration, use the cord hook to secure the cord of the AC adaptor.



This completes setup and connections.

- When you've finished making connections, turn on the power as described in "TD-17 Owner's Manual," and verify that you can hear sound.



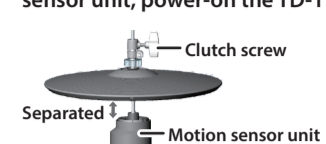
Detailed explanation of each part

Adjust the hi-hat (VH-10)

If you're using the VH-10-Vi-hat, execute the offset adjustment from the drum sound module (TD-17) after making connections. This adjustment is required for pedal movements such as open or close to be detected correctly.

1 Adjust the offset.

1. With the hi-hat completely separated from the motion sensor unit, power-on the TD-17.



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

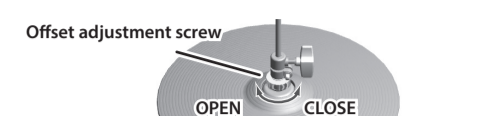
3. Press the [SETUP] button.

4. Use the dial to select the "Hi-Hat Settings" and press the [ENTER] button.

5. Use the dial to set the Pad Type to "VH10".

6. While reading the meter displayed on the right side of the TD-17's screen, adjust the offset with the VH-10's offset adjustment screw.

Adjust the offset so that the [OPEN] and [CLOSE] appear in the meter.



7. Fasten the clutch screw so that the hi-hat opens to the amount you prefer.

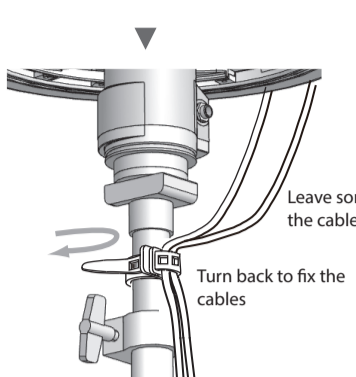
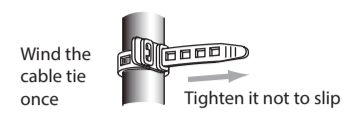
8. Press the [DRUM KIT] button to return to the KIT screen.

NOTE
The hi-hat has a correct orientation. Positioning "Roland" logo on the farther side, as viewed from the player will operate correctly.

NOTE
If you find the closed hi-hat sound difficult to play, turn the offset adjustment screw toward "CLOSE".
If you find the open hi-hat sound difficult to play, turn it toward "OPEN".
• If the sound is interrupted when you play a strong strike, adjust the offset adjustment screw toward "OPEN".

Reference
For details on the hi-hat, refer to "VH-10 Owner's Manual."

Fixing the cables



NOTE
• Continuous playing may cause discoloration of the pad, but this will not affect the Pad's function.
• If the hi-hat clutch has been detached from the hi-hat, refer to "If the Clutch Was Apart from the Hi-Hat" in the "VH-10 Owner's Manual."

USING THE UNIT SAFELY

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

- 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.

ALWAYS OBSERVE THE FOLLOWING

- WARNING** Do not use or store in the following types of locations:
 - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
 - Damp (e.g., baths, washrooms, on wet floors); or are
 - Exposed to steam or smoke; or are
 - Subject to salt exposure; or are
 - Exposed to rain; or are
 - Dusty or sandy; or are
 - Subject to high levels of vibration and shakiness; or are
 - Placed in a poorly ventilated location.
- WARNING** Be cautious to protect children from injury. Always make sure that an adult is on hand to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.
Do not drop or subject to strong impact Otherwise, you risk causing damage or malfunction.

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.

CAUTION

Use only the specified stands!
This unit is designed to be used in combination with specific stands (DCS-10 and all purpose clamp (APC-30) manufactured by Roland. If used in combination with other stands, you risk sustaining injuries as a 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.

Route all power cords and cables in such a way as to prevent them from getting entangled
Injury could result if someone were to trip on a cable and cause the unit to fall or topple.

Avoid climbing on top of the unit, or placing heavy objects on it
Damage or malfunction may result if you fail to disconnect all cables before moving the unit.

Take care so as not to get fingers pinched
When handling the following moving parts, take care so as not to get fingers, toes, etc., pinched. Whenever a child uses the unit, an adult should be on hand to provide supervision and guidance.

- Stands
- Pedals
- Knobs

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:**
 - Cable tie
 - Drum key
- Removable Parts:**
 - Screws
 - Washers
 - Nuts
 - Felt washers
 - Springs
 - Knobs
 - Protective cap for dedicated connection cable

Bass drum (KD-180L)

1 Attaching the rods

1. Loosen the rod lock knob, and attach the rod.

Position the rod so that the memory lock is in close contact with the bracket of the main unit, and then tighten the rod lock knob.

* We recommend that you use the memory lock in the factory-set position. This allows installation at the recommended rod length and angle.



2. Adjust the tip of the rods (spike/rubber) appropriately for the surface on which you're placing the bass drum.

| Spike | Soft floor Carpet, etc. |
|--------|---|
| Rubber | Hard floor Wood flooring, concrete, etc. |

If you loosen the foot nut and rotate the foot to raise it, the spike will be exposed.

Tighten the foot nut to secure the position of the foot.



* The tip of the spike is sharp; handle it with care.
* Using the spike leg tips on wood flooring may damage the floor; the rubber leg tips should be used on wood flooring.

2 Attaching the kick pedal

1. Attach the kick pedal at the kick pedal attachment position (the gap in the batter hoop).

Adjust the location at which the kick pedal is attached so that the beater strikes the center of the batter head's strike surface; then securely fasten the kick pedal to the VAD306.



* A variety of commercially available beaters can be used, including felt, plastic, or wood types. However, if you use a felt beater, strike marks of the felt might remain on the striking surface.

NOTE
• Secure the kick pedal and KD-180L firmly in place.
• Take care not to pinch your fingers.

3 Adjusting the head tension

Adjust the tension of the batter head before you play the bass drum. You can vary the strike response (playing feel) by adjusting the tension.

1. Adjust each tension bolt little by little, working back and forth across the head in the order shown in the illustration.

* Fully tightening a tension bolt at only a single location will produce uneven tensioning, which will make it impossible to achieve correct strike response and may also cause malfunctions.

2. Adjust each tension bolt so that the head is tensioned evenly.



NOTE
Adjusting the head tension affects only the head response, and does not change the pitch of the sound as it would on an acoustic drum.
Pitch adjustments are made by editing the sound in your drum sound module.

Reference
For details on the Bass Drum, refer to "KD-180L Owner's Manual."

Roland Service Centers and Distributors

When you need repair service, access this URL and find your nearest Roland Service Center or authorized Roland distributor in your country.

<http://roland.cm/service>

IMPORTANT NOTES

- Additional Precautions**
 - Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
 - 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.
 - When disposing of the packing carton or cushioning material in which this unit was packed, you must observe the waste disposal regulations that apply to your locality.
 - 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.
- Intellectual Property Right**
 - It is forbidden by law to make an audio recording, video recording, copy or revision of a third party's copyrighted work (musical work, video work, broadcast, live performance, or other work), whether in whole or in part, and distribute, sell, lease, perform, or broadcast it without the permission of the copyright owner.
 - Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.
 - The copyright of content in this product (the sound waveform data, style data, accompaniment patterns, phrase data, audio loops and image data) is reserved by Roland Corporation.
 - Purchasers of this product are permitted to utilize said content (except song data such as Demo Songs) for the creating, performing, recording and distributing original musical works.
 - Purchasers of this product are NOT permitted to extract said content in original or modified form, for the purpose of distributing recorded medium of said content or making them available on a computer network.
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 - This product contains eParts integrated software platform of eSOL Co., Ltd. eParts is a trademark of eSOL Co., Ltd. in Japan.
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 - This Product uses the Source Code of JF-Kernel under "J-Kernel 2.0" granted by the T-Engine Forum (www.tron.org).
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Snare (PDA120LS)

Tom (PDA120L / PDA100L)

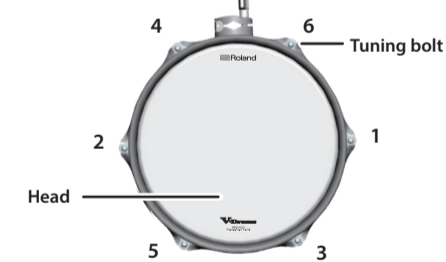
Adjusting the head tension

1. Adjust each tuning bolt little by little, across the head as indicated in the illustration.

Slightly stronger tension than the strike feel of an acoustic drum is appropriate.

2. Make additional fine adjustments to the tension while you continue checking the feel of the pad's strike.

* Fully tightening a tension bolt at only a single location will produce uneven tensioning, which will make it impossible to achieve correct strike response and may also cause malfunctions.



NOTE
Adjusting the head tension affects only the head response, and does not change the pitch of the sound as it would on an acoustic drum.
Pitch adjustments are made by editing the sound in your drum sound module.

Reference
For details on the toms, refer to "PDA120LS/PDA120L/PDA100L Owner's Manual."

Crash cymbal (CY-12C)

Ride cymbal (CY-13R)

Fixing the cables



Be sure to make this small plastic hook visible from you.

Wind a cable tie around a cable.

Insert the small plastic hook to a hole to secure the cable to the cymbal arm.

Wind a cable tie around the pipe and tighten it in order not to slip.

Reference
For details on the cymbals, refer to "CY-13R/CY-12C Owner's Manual"

NOTE
Continuous playing may cause discoloration of the pad, but this will not affect the Pad's function.