# 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.

## 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).

## 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.”

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**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.
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Connecting 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.

**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.
Getting Ready

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.

Align the protrusions of the sound module mount with the rails of this unit, and slide it in until you hear it click.

* 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.

   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).
Getting Ready

Using the Bluetooth® Functionality

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.

Double-sided tape

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.

<table>
<thead>
<tr>
<th>Bluetooth indicator</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blinking</td>
<td>Pairing is in progress</td>
</tr>
<tr>
<td>Blink several times</td>
<td>Connection or disconnection is in progress</td>
</tr>
<tr>
<td>Lit</td>
<td>Bluetooth audio is connected</td>
</tr>
<tr>
<td>Unlit</td>
<td>Bluetooth audio is not connected</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF, 1–99</td>
<td>Set to “Off”: “TD-17 AUDIO,” “TD-17 MIDI” (default value)</td>
</tr>
<tr>
<td></td>
<td>Set to “1”: “TD-17 AUDIO 1,” “TD-17 MIDI 1”</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Playing method</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Head shot</strong></td>
<td>Hit only the head of the pad.</td>
</tr>
<tr>
<td><strong>Rim shot</strong></td>
<td>Strike the head and the rim of the pad simultaneously. A sound (rim sound) different than the head shot will be heard.</td>
</tr>
<tr>
<td><strong>Cross stick</strong> (snare drum only) (p. 8)</td>
<td>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.</td>
</tr>
</tbody>
</table>

### Hi-hat

<table>
<thead>
<tr>
<th>Playing method</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Open/closed</strong></td>
<td>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).</td>
</tr>
<tr>
<td><strong>Bow shot</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>

### Cymbal

<table>
<thead>
<tr>
<th>Playing method</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bow shot</strong></td>
<td>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 input.</td>
</tr>
<tr>
<td><strong>Edge shot</strong></td>
<td>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 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.</td>
</tr>
<tr>
<td><strong>Bell shot (ride cymbal only)</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Choke play</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
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).

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, [A] [V] buttons, or dial to edit the value.

Turning the Power On/Off

Turns the power on/off.

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 [A] [V] buttons and the dial to adjust the value.

<table>
<thead>
<tr>
<th>Volume</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio In</td>
<td>Input volume of the device connected to the MIX IN jack and Bluetooth</td>
</tr>
<tr>
<td>Click</td>
<td>Volume of the click</td>
</tr>
<tr>
<td>Song</td>
<td>Volume of the song</td>
</tr>
<tr>
<td>Guide Track</td>
<td>Volume of the guide track (p. 13)</td>
</tr>
</tbody>
</table>

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.

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 [A] [V] buttons.
- Edit the value: Turn the dial. 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.

* The illustration shows the TD-17.
### Sounding a Click

1. **Press the [CLICK] button.**
   - Press the [F3] button.
   - Turn the dial.
   - Press the [SLOW] [FAST] buttons.

 **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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Adjust the parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reverb</td>
<td>Turn the [AMBIENCE] knob.</td>
</tr>
<tr>
<td>Low-frequency range</td>
<td>Turn the [BASS] knob.</td>
</tr>
<tr>
<td>High-frequency range</td>
<td>Turn the [TREBLE] knob.</td>
</tr>
</tbody>
</table>

**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

- Turn the [VOLUME] knob.

### Customizing the Kit

You can customize the kit to your own preferences.

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

### Practicing in Coach Mode

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

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

### Performing or Recording Along with a Song

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

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

#### Performing along with a song

1. **Press the [SONG] button.**
2. 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).
3. Press the [►/■] button to play back.

**Reference**
For details on the internal songs, refer to “Data List” (PDF).
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.

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.

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 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**

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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score</td>
<td>OFF</td>
<td>Your performance will not be scored. Only the timing will be checked.</td>
</tr>
<tr>
<td></td>
<td>ON</td>
<td>The score will be shown in the screen. You can also specify the number of measures you’ll practice before being scored.</td>
</tr>
<tr>
<td>Grade</td>
<td>EASY</td>
<td>Normal</td>
</tr>
<tr>
<td></td>
<td>HARD</td>
<td>Timing will be checked more strictly.</td>
</tr>
<tr>
<td>Display 1</td>
<td>LEFT BEHIND</td>
<td>The left side of the timing graph is shown as BEHIND (late).</td>
</tr>
<tr>
<td>Display 2</td>
<td>LEFT AHEAD</td>
<td>The left side of the timing graph is shown as AHEAD (early).</td>
</tr>
</tbody>
</table>

* 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.”

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

---

**Practicing**

---

**Practicing in Coach Mode**

---

**Selecting a Practice Menu**

---

**Correctly Playing in Time with the Beat (TIME CHECK)**

---

**TIME CHECK settings**

---

**Developing Internal Timing Sense (QUIET COUNT)**

---

11
Practicing

- 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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measures</td>
<td>2, 4, 8, 16 (Measures)</td>
<td>Specify the length (measures) of the interval for which the click will alternate between “Sounding” and “Quiet.”</td>
</tr>
<tr>
<td>Quiet</td>
<td>RANDOM</td>
<td>The length of the Quiet interval will randomly change each time.</td>
</tr>
<tr>
<td></td>
<td>1, 2, 4</td>
<td>Specifies the length (number of measures) of the Quiet interval.</td>
</tr>
</tbody>
</table>

* You can press the [F2] (CLICK) button to make click settings (p. 9).

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.

<table>
<thead>
<tr>
<th>Evaluation (display)</th>
<th>EXCELLENT!, VERY GOOD!, GOOD, AVERAGE, START OVER</th>
</tr>
</thead>
</table>

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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration</td>
<td>5 MINS</td>
<td>Time required: 5 minutes Change-Up: 2 minutes Time Check: 3 minutes</td>
</tr>
<tr>
<td></td>
<td>10 MINS</td>
<td>Time required: 10 minutes Change-Up: 3 minutes Auto Up/Down: 3 minutes Time Check: 4 minutes</td>
</tr>
<tr>
<td></td>
<td>15 MINS</td>
<td>Time required: 15 minutes Change-Up: 5 minutes Auto Up/Down: 5 minutes Time Check: 5 minutes</td>
</tr>
<tr>
<td>Grade</td>
<td>EASY</td>
<td>Normal</td>
</tr>
<tr>
<td></td>
<td>HARD</td>
<td>Timing will be checked more strictly.</td>
</tr>
<tr>
<td>Max Tempo</td>
<td>Specifies the upper tempo limit during step 2: Auto Up/Down.</td>
<td></td>
</tr>
</tbody>
</table>

* You can press the [F2] (CLICK) button to make click settings (p. 9).

Press the [F3] button to clear the check box.

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).

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.

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 [F2] 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.

2. Select the pad that you want to edit.

3. Use the [A] [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.

<table>
<thead>
<tr>
<th>Button</th>
<th>Parameter</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>[F2] (VOLUME) button</td>
<td>VOLUME</td>
<td>Adjusts the volume of each pad.</td>
</tr>
<tr>
<td>[F3] (PAN) button</td>
<td>PAN</td>
<td>Adjusts the stereo position of each pad.</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Format (extension)</th>
<th>WAV (.wav)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampling frequency</td>
<td>44.1 kHz</td>
</tr>
<tr>
<td>Bit rate</td>
<td>16, 24-bit</td>
</tr>
<tr>
<td>Time (for each file)</td>
<td>Maximum 180 seconds (mono), Maximum 148 seconds (stereo)</td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Menu</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Import</strong></td>
<td>Importing an audio file</td>
</tr>
<tr>
<td><strong>Play Type</strong></td>
<td>Specifying how the user sample is sounded</td>
</tr>
<tr>
<td><strong>Adjust Start/End</strong></td>
<td>Specifying the sounded region of a user sample</td>
</tr>
<tr>
<td><strong>Rename</strong></td>
<td>Renaming a user sample</td>
</tr>
<tr>
<td><strong>Delete</strong></td>
<td>Deleting a user sample</td>
</tr>
<tr>
<td><strong>Renumber</strong></td>
<td>Packing user sample numbers forward</td>
</tr>
</tbody>
</table>

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.

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.

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.

   ![USER SAMPLE screen]

   **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.
**Customizing a Kit**

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.

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>[A] [V] buttons</td>
<td>Moves cursor</td>
</tr>
<tr>
<td>/Dial</td>
<td></td>
</tr>
<tr>
<td>[F2] (FOLDER UP) button</td>
<td>Exits a folder</td>
</tr>
<tr>
<td>[F3] (SELECT) button</td>
<td>Enters a folder/Specifies a file</td>
</tr>
</tbody>
</table>

**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.

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

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

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

**Customizing a Kit**

**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).

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

**REFERENCE MENU**

**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**

<table>
<thead>
<tr>
<th>Menu</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMBIENCE</td>
<td>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.</td>
</tr>
<tr>
<td>MULTI FX</td>
<td>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.</td>
</tr>
<tr>
<td>PAD EQ</td>
<td>Adjusts the pad equalizer. Adjust the tonal character of each pad.</td>
</tr>
<tr>
<td>VOLUME</td>
<td>Specifies the volume of the entire kit. Specify the volume of the entire kit.</td>
</tr>
<tr>
<td>NAME</td>
<td>Edits the name of the kit. Edit the name of the kit (p. 18).</td>
</tr>
<tr>
<td>MIDI NOTE</td>
<td>Specifies MIDI settings for the kit. Specify the MIDI message that is transmitted when the pad is struck or received to play the pad.</td>
</tr>
<tr>
<td>COPY</td>
<td>Copying a kit. Copy a kit’s settings, or restore the factory-set kit settings (p. 18).</td>
</tr>
<tr>
<td>SAVE/LOAD</td>
<td>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).</td>
</tr>
</tbody>
</table>

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

1. Press the [OTHER] button.

2. Use the [>] [>] buttons and the function buttons to select a menu item.
3. Make settings as appropriate for the menu item that you selected.
Customizing a Kit

<table>
<thead>
<tr>
<th>AMBIENCE, MULTI FX, VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Use the function buttons, [] [V] buttons, and dial to edit the settings.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PAD EQ, MIDI NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Select the pad that you want to edit (p. 14).</td>
</tr>
<tr>
<td>2. Use the function buttons, [] [V] buttons, and dial to edit the settings.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Use the function buttons, [] [V] buttons, and dial to edit the name.</td>
</tr>
<tr>
<td>You can enter up to 12 characters as the kit name (upper line), and up to 16 characters as the sub-name (lower line).</td>
</tr>
</tbody>
</table>

**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.
  
  Copy-source

- **[F2] (PRESET) button**

  Copies the factory-set kit settings.
  
  Copy-source

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.
**Customizing a Kit**

**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 [A] [v] buttons to select “SAVE/LOAD.”**
3. **Use the function buttons, [A] [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)

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.
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, [A] [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 [▲] [▼] 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).

**Back 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 [▲] [▼] buttons and the dial to make backup settings.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Sample</td>
<td>Select whether already-imported user samples are also backed up.</td>
</tr>
<tr>
<td>Bank</td>
<td>Select the backup number.</td>
</tr>
</tbody>
</table>

* 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.

8. Press the [ENTER] button to execute.
Overall Settings (SETUP)

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 [A] [V] buttons and the dial to specify the loading settings.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Sample</td>
<td>Select whether to load user samples as well.</td>
</tr>
<tr>
<td>Bank</td>
<td>Select the backup number.</td>
</tr>
</tbody>
</table>

* 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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backup All</td>
<td>Number of saved backup data</td>
</tr>
<tr>
<td>1 Kit</td>
<td>Number of saved kit backup data</td>
</tr>
</tbody>
</table>
**Overall Settings (SETUP)**

### SD card folder structure

- **REC folder**: Recorded data that was exported is saved here.
- **IMPORT folder**: If there are audio files that you want to import as user samples, save them in this folder.
- **Roland folder**: This unit’s backup data is saved here.
- **Backup folder**: Backup data is saved here.
- **Kit folder**: Kit backup data is saved here.

### 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.**

<table>
<thead>
<tr>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>The power does not turn off automatically.</td>
</tr>
<tr>
<td>10 MINS</td>
<td>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).</td>
</tr>
<tr>
<td>30 MINS</td>
<td></td>
</tr>
<tr>
<td>4 HOURS</td>
<td></td>
</tr>
</tbody>
</table>

**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.

---

### Audio files that can be played by this unit

<table>
<thead>
<tr>
<th>Format (extension)</th>
<th>WAV</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAV (.wav)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MP3 (.mp3)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Sampling frequency**: 44.1 kHz
- **Bit rate**: 16, 24-bit

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.

* File names that contain more than 14 characters are not shown correctly. Files using double-byte characters are also not supported.
Overall Settings (SETUP)

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.

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

<table>
<thead>
<tr>
<th>Problem</th>
<th>Items to check</th>
<th>Action</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Problems with sound</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A specific pad does not sound</td>
<td>Are the cables correctly connected to each pad and pedal?</td>
<td>Check the connections.</td>
<td>p. 3</td>
</tr>
<tr>
<td></td>
<td>Could the instrument be “OFF”?</td>
<td>Assign an instrument.</td>
<td>p. 14</td>
</tr>
<tr>
<td></td>
<td>Could the instrument’s “Volume” be lowered?</td>
<td>Adjust the instrument’s “Volume.”</td>
<td>p. 14</td>
</tr>
<tr>
<td></td>
<td>Could user samples have been deleted?</td>
<td>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.</td>
<td>p. 15</td>
</tr>
<tr>
<td></td>
<td>Is the pad type specified correctly?</td>
<td>Specify the type of pad.</td>
<td>p. 21</td>
</tr>
<tr>
<td></td>
<td>Are the cables correctly connected to each pad and pedal?</td>
<td>Check the connections.</td>
<td>p. 3</td>
</tr>
<tr>
<td>No sound/Insufficient volume</td>
<td>Is the product correctly connected to the external devices?</td>
<td>Check the connections.</td>
<td>p. 3</td>
</tr>
<tr>
<td></td>
<td>Could the unit’s volume be lowered?</td>
<td>Adjust the volume to an appropriate level.</td>
<td>p. 9</td>
</tr>
<tr>
<td></td>
<td>Could the volume of the connected amplified speaker be lowered?</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Have you made the correct input selection on your audio system?</td>
<td>Check your audio system.</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Could the volume be lowered on the device connected to the MIX IN jack?</td>
<td>Adjust the volume to an appropriate level.</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Is the unit’s input level lowered?</td>
<td>Adjust the volume to an appropriate level.</td>
<td>p. 8</td>
</tr>
<tr>
<td></td>
<td>Could “Local Control” be “OFF”?</td>
<td>Set “Local Control” to “ON.”</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Could you be using carbon or metal sticks?</td>
<td>Use wood or plastic sticks. Using carbon or metal sticks might make the sensor malfunction.</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Could you be using metal brushes?</td>
<td>Use nylon brushes. Using metal brushes might make the sensor malfunction, or might scratch the pad.</td>
<td>–</td>
</tr>
<tr>
<td><strong>Problems with SD card</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SD card is connected but not recognized/ Data is not visible</td>
<td>Is the SD card formatted correctly?</td>
<td>Format the SD card on this product.</td>
<td>p. 22</td>
</tr>
<tr>
<td>Can’t play MP3/WAV file</td>
<td>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?</td>
<td>Use MP3/WAV files that the product supports.</td>
<td>p. 23</td>
</tr>
<tr>
<td></td>
<td>Playback may be unable to keep up if you raise the playback speed of a high bit-rate of MP3.</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Can’t play or import an audio file</td>
<td>Is the audio file format correct?</td>
<td>Check the audio file format, file name, and file name extension.</td>
<td>p. 23</td>
</tr>
<tr>
<td></td>
<td>Is the audio file in the correct location?</td>
<td>Check the location of the audio file.</td>
<td>p. 23</td>
</tr>
<tr>
<td></td>
<td>Could a large number of audio files be in the folder?</td>
<td>Keep the number of audio files in a folder to 200 or fewer.</td>
<td>–</td>
</tr>
</tbody>
</table>
## Troubleshooting

### Problems with USB

<table>
<thead>
<tr>
<th>Problem</th>
<th>Items to check</th>
<th>Action</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can't communicate with a computer</td>
<td>Is the USB cable connected correctly?</td>
<td>Check the connections.</td>
<td>p. 3</td>
</tr>
<tr>
<td></td>
<td>In order to transmit and receive audio as USB AUDIO, the USB driver must be installed.</td>
<td>Install the USB driver on your computer.</td>
<td>p. 10</td>
</tr>
<tr>
<td></td>
<td>Are you using a cable that supports USB 2.0?</td>
<td>The product cannot be used the cable that supports USB 3.0. Use the cable that supports USB 2.0.</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Have the settings for “Driver Mode” been made correctly?</td>
<td>Choose the setting that’s appropriate for your situation.</td>
<td>➤ PDF</td>
</tr>
</tbody>
</table>

### Problems with MIDI

<table>
<thead>
<tr>
<th>Problem</th>
<th>Items to check</th>
<th>Action</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>No sound</td>
<td>Are the MIDI cables connected correctly?</td>
<td>Check the connections.</td>
<td>p. 3</td>
</tr>
<tr>
<td></td>
<td>Is the MIDI channel set correctly?</td>
<td>Set the MIDI channels of the product and external MIDI device to the same setting.</td>
<td>➤ PDF</td>
</tr>
<tr>
<td></td>
<td>Has the note number been set properly?</td>
<td>Set the pad’s “NOTE NO.”</td>
<td>➤ PDF</td>
</tr>
</tbody>
</table>

### Problems with Bluetooth functionality

<table>
<thead>
<tr>
<th>Problem</th>
<th>Items to check/Action</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>This unit does not appear in the Bluetooth device list of your mobile device</td>
<td>Could the Bluetooth function be turned “Off”?</td>
<td>Turn the Bluetooth function “ON.” SETUP → “Bluetooth” → “ON”&lt;br&gt;Bluetooth Audio function:&lt;br&gt;When pairing begins, the device “TD-17 AUDIO” appears.&lt;br&gt;Bluetooth MIDI function:&lt;br&gt;A device named “TD-17 MIDI” appears.&lt;br&gt;You can check this from the settings inside an app such as GarageBand.</td>
</tr>
<tr>
<td>Can’t connect to Bluetooth audio</td>
<td>If this unit is visible as a device in the mobile device’s Bluetooth settings</td>
<td>Delete the device's registration, turn the Bluetooth Audio function “OFF” and then “ON” again, and establish pairing once again.</td>
</tr>
<tr>
<td></td>
<td>If this unit is not visible as a device</td>
<td>Turn the mobile device’s Bluetooth function off and then on again, and initiate pairing from this unit to re-establish pairing.</td>
</tr>
<tr>
<td>Can’t connect to Bluetooth MIDI</td>
<td>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.</td>
<td>–</td>
</tr>
<tr>
<td>Can’t connect via MIDI</td>
<td>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.</td>
<td>–</td>
</tr>
<tr>
<td>Can’t establish pairing with the MIDI function</td>
<td>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.</td>
<td>–</td>
</tr>
<tr>
<td>Can’t connect a paired mobile device</td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

**MEMO**<br>If checking these points does not solve the problem, please refer to the Roland support website.<br>[http://www.roland.com/support/](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.

**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.

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

#### 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 backlit)

#### 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)

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

**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
- V-Drums accessory package: DAP-3X
- V-Drums mat: TDM series
- Noise Eater: NE series
- SD card

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*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.

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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.