

## 01 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.

TD-50DP	TD-50KVA
<ul style="list-style-type: none"> <li>TD-50 (drum sound module) x 1</li> <li>PD-140DS (V-Pad digital snare) x 1</li> <li>CY-18DR (V-Cymbal digital ride) x 1</li> <li>Owner's manual set</li> <li>Setup Guide (this document)</li> <li>TD-50 Quick Start</li> <li>PD-140DS owner's manual</li> <li>CY-18DR owner's manual</li> <li>Stick case</li> </ul>	<ul style="list-style-type: none"> <li>VH-13 (V-Hi-hat) x 1</li> <li>CY-14C (V-Cymbal for crash 1) x 1</li> <li>CY-15R (V-Cymbal for crash 2) x 1</li> <li>PD-108 (V-Pad for tom 1) x 1</li> <li>PD-128 (V-Pad for tom 3, 4) x 2</li> <li>Owner's manual set</li> <li>VH-13 owner's manual</li> <li>CY-14C/CY-15R owner's manual</li> <li>PD-128/PD-108 owner's manual</li> </ul>

For the TD-50KV, you can choose from the following two kits.

KD-140 (V-Kick)	KD-A22
<ul style="list-style-type: none"> <li>When checking the items included with the KD-140, refer to "KD-140 Owner's Manual."</li> </ul>	<ul style="list-style-type: none"> <li>When checking the items included with the KD-A22, refer to "KD-A22 Owner's Manual."</li> </ul>

OR

MDS-50KV
<ul style="list-style-type: none"> <li>When checking the items included with the MDS-50KV refer to "MDS-50KV Owner's Manual."</li> </ul>

\* This package does not include a kick pedal, a hi-hat stand, a hi-hat stand, and a snare stand. Use with a commercially available kick pedal, hi-hat stand, and snare stand.

\* No 22-inch acoustic bass drum is included with the KD-A22.

## 02 Assemble the stand (MDS-50KV)

### Assembly procedure

Assemble the stand using the procedure described in "MDS-50KV Owner's Manual."

Do not open the stand wider than 120 degrees outward. Be sure the two pipes at the ends are no more than 1.6 meters apart. Doing so can damage the cables inside the stand or cause the stand to fall over.

## 03 Assemble the hi-hat (VH-13)

### Assembly procedure

Assemble the stand using the procedure described in "VH-13 Owner's Manual."

- Assemble the top hi-hat using the dedicated VH-13 clutch (included).
- Fasten the bottom hi-hat to the hi-hat stand.
- Use the included link cable to connect the top hi-hat and bottom hi-hat.

## 04 Assemble the kick

### Assembling the KD-140

Align the knuckles. Knob that fastens leg. Adjust the angle of the leg. Mounting the kick pedal.

OR

### Installing the KD-A22

Install the KD-A22 onto your bass drum as described in "KD-A22 Owner's Manual."

## 05 Attach the parts

\* For details, refer to the owner's manual for each component.

### Attach the crash cymbal (CY-14C/CY-15R) and ride cymbal (CY-18DR)

Tighten the bolt with a drum key. Attach the stopper so that the bolt is on the right hand side from the performer's perspective. Tighten the wing nut to obtain an appropriate amount of sway. Insert the plug of the connection cable into the CY-18DR's DIGITAL TRIGGER OUT connector. Use the protector to lock the connection.

### Attach the tom (PD-108/PD-128)

Loosen. Tighten. Rod. Adjusting the head tension. Adjust the tension so that the pad responds to your strikes with the appropriate feel. Before using the pad, tighten the head so that the tension is rather firm. Adjust each tuning bolt little by little, across the head as indicated in the illustration. Adjust the tightness of each tuning 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. For details, refer to the owner's manual of the drum sound module you're using.

### Adjusting the kick (KD-140)

Adjust the head tension before you perform. A slightly looser tuning will make the beater response and rebound similar to that of an acoustic bass drum. Adjust the head tension. Adjust the tightness of each tuning bolt so that the head is tensioned evenly.

OR

### Position the bass drum with the KD-A22 installed on it

### Mounting the PD-140DS on a snare stand

The PD-140DS can only be used with a commercially available snare stand. Make sure that the snare stand you are using is able to support a 14-inch shell.

Insert the plug of the connection cable into the PD-140DS DIGITAL TRIGGER OUT connector. Use the protector to lock the connection.

You can use the cable clamps (8 locations) to secure the cables as shown in the illustration.

### Adjusting the head tension

Adjust the tension so that the pad responds to your strikes with the appropriate feel. Adjust each tuning bolt little by little, across the head as indicated in the illustration. Adjust the tightness of each tuning bolt so that the head is tensioned evenly.

### Adjusting the head tension

Adjust the head tension before you perform. A slightly looser tuning will make the beater response and rebound similar to that of an acoustic bass drum. Adjust the head tension. Adjust the tightness of each tuning bolt so that the head is tensioned evenly.

## 06 Connect the pads to the drum sound module

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

- Connect the straight plugs of the cables built into the stand (MDS-50KV) to the sound module (TD-50).
- Connect the L-shaped plugs of the cables to each pad.

The names on the labels correspond to trigger input jack names as follows.

Label	KICK	T1	T3	T4	HH	FHC
Jack	KICK	TOM 1	TOM 3	TOM 4	HI-HAT	HH CTRL
Label	CR1	CR2	AX1	AX2		
Jack	CRASH1	CRASH2	AUX 1	AUX 2		

**NOTE**

- The CY-15R is used as the crash cymbal. Bell shots are not possible.
- T2 (TOM 2) is not used.

Connect PD-140DS (snare) and CY-18DR (ride)

Insert the plug of the connection cable into the TD-50's DIGITAL TRIGGER IN port.

\* You may connect to any of the ports 1-3.

Use the cable clips as shown above, to secure the cables.

## When placing two toms at the front

- As shown in the illustration, mount TOM 4 (PD-128) in the position of the ride cymbal (CY-18DR).
- Mount the ride cymbal (CY-18DR) and TOM 3 (PD-128) where you can play them comfortably.
- Connect the cable with the T4 label to TOM 4 (PD-128) and the TOM 2 jack of the sound module (TD-50).

Subsequently, use TOM 4 as TOM 2.

### For a left-handed setup

The setup described in this guide is for a right-handed drummer. If you want to use a left-handed setup, leave the sound module (TD-50) in the same position, but exchange the position of each pad and cymbal (together with its mounting clamp) left for right.

If you do this, some of the cables will not be long enough, so use commercially available extension cables (TRS 1/4" phone female ↔ TRS 1/4" phone male) to adjust the cable length.

This completes assembly and connections. When you've finished making connections, turn on the power as described in "TD-50 Quick Start," and verify that you can hear sound.

### Set the PD-140DS and CY-18DR

The first time you connect the PD-140DS and CY-18DR to the DIGITAL TRIGGER IN port, the following screen will appear. As directed in the screen, assign the PD-140DS as snare, and assign CY-18DR as ride.

- Press the [ENTER] button.
- Use the cursor buttons to select "PD140DS" or "CY18DR".
- Use the [-] [+ ] buttons or the dial to specify the Assign.
- Press the [KIT] button to return to the DRUM KIT screen.

\* If you specify the same trigger input as a pad that is connected to a TRIGGER IN Jack, the pad that's connected to that TRIGGER IN Jack won't produce sound.

### Select the appropriate trigger bank for the kick you're using (KD-140 or KD-A22)

- Press the [TRIGGER] button.
- Press the PAGE (UP) button several times to access the top page.
- Press the [F1] (BANK) button.
- Move the cursor to the trigger bank number, and use the [-] [+ ] buttons or the dial to select the trigger bank.
- Press the [KIT] button to return to the DRUM KIT screen.

The TRIGGER BANK screen appears. Trigger bank number.

KD-140	TD-50KV-KD-140
KD-A22	TD-50KV-KD-A22

### Adjust the VH-13

If you're using the VH-13 V-hi-hat, execute the offset adjustment from the TD-50 after making connections. This adjustment is required in order to correctly detect open, close, and pedal operations.

- Press the [TRIGGER] button.
- Press the PAGE (UP) button several times to access the top page.
- Press the [F4] (HI-HAT) button.
- Use the [-] [+ ] buttons or the dial to set the Trig Type to "VH13".
- Press the [F5] (OFFSET) button. The VH OFFSET ADJUSTMENT screen appears. The VH OFFSET ADJUSTMENT screen appears. Loosen the clutch to adjust the VH offset. Press [F5] to adjust. The "VH-OFFSET" parameter is set automatically (approx. 3 seconds). The [TRIGGER] button stops flashing and remains lit.
- Loosen the clutch screw of the top hi-hat and let it sit on the bottom hi-hat. Do NOT touch the hi-hats or the pedal.
- Press the [KIT] button to return to the DRUM KIT screen.

### Fixing the cables

Wind the cable tie on. Tighten it not to slip. Leave some slack in the cables. Turn back to fix 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 owner's manual.

## USING THE UNIT SAFELY

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

About **WARNING** and **CAUTION** Notices

**WARNING** Used for instructions intended to alert the user to the risk of death or serious injury should the unit be used improperly.

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

About Symbols

The **⚠** symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the text to its left. It is used for general cautions, warnings, or alerts to danger.

The **⚡** symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol to its left, it means that the unit must never be disassembled.

The **🔥** symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol to its left, it means that the power cord plug must be unplugged from the outlet.

**ALWAYS OBSERVE THE FOLLOWING**

**WARNING** Use only the stand that is recommended. The unit should be used only with a stand (MDS-50 series) that is recommended by Roland. If used in combination with other stands, your risk of injury or damage may increase. 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** Do not place in a location that is unstable. When using the unit with a stand (MDS-50 series) recommended by Roland, the stand must be carefully placed on a level and firm surface. If 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** Be cautious to protect children from injury. Always make sure that an adult can lead to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.

**CAUTION** Take care not to get burned. Otherwise, you risk causing damage or malfunction.

**CAUTION** Disconnect all cords/cables before moving the unit. Damage or malfunction may result if you fail to disconnect all cables before moving the unit.

**CAUTION** Caution when moving this unit. If you need to move the instrument, at least two persons are required to safely lift and move the unit. It should be handled carefully, all while keeping it level.

**CAUTION** Take care so as not to get fingers pinched. When handling the following moving parts, take care so as not to get fingers, etc., pinched. An adult should always be in charge of handling these items.

- Stands
- Pedals

**CAUTION** 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/Removable Parts:
  - Stands
  - Spings
  - Washers
  - Nuts

## IMPORTANT NOTES

### Additional Precautions

- Use a reasonable amount of care when using the unit's sensors, 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.
- This document explains the specifications of the product at the time the document was issued. For the latest information, refer to the Roland website.

### Intellectual Property Right

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