

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.

- 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.

TD-50DP	TD-50KA
<ul style="list-style-type: none"> TD-50 (drum sound module) x 1 PD-140DS (V-Pad digital snare) x 1 CY-18DR (V-Cymbal digital ride) x 1 Owner's manual set Setup Guide (this document) TD-50 Quick Start PD-140DS owner's manual CY-18DR owner's manual Stick case The TD-50/V-Pad/V-Cymbal accessories are in the respective packing cartons. 	<ul style="list-style-type: none"> VH-11 (V-Hi-hat) x 1 CY-12C/CY-13R (crash) 1 x 1 CY-13R (V-Cymbal for crash 2) x 1 PDX-100 (V-Pad for tom) x 3 Owner's manual set VH-11 owner's manual CY-12C/CY-13R owner's manual PDX-100 owner's manual The VH-11/V-Pad/V-Cymbal accessories are in the respective packing cartons.

KD-120 (V-Kick)	MDS-50K
<ul style="list-style-type: none"> When checking the items included with the KD-120, refer to "KD-120 Owner's Manual." 	<ul style="list-style-type: none"> When checking the items included with the MDS-50K, refer to "MDS-50K Owner's Manual."

02 Assemble the stand (MDS-50K)

Assembly procedure

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

- Do not spread open the stand farther than 135 degrees as shown in the illustration. Nor should you spread the stand wider than 1.3 meters (51-3/16 inches).

05 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-50K) 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	KIK	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-13R is used as the crash cymbal. Bell shots are not possible.

NOTE
The CY-13R is used as the crash cymbal. Bell shots are not possible.

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.

03 Assemble the V-Kick (KD-120)

Use a commercially available kick pedal.

- Place the KD-120 pad, with the head surface facing downward, on a flat surface such as the floor.
- Use the included drum key to loosen and remove the bolts for the brackets on the back of the KD-120 pad.
- Mount the stand on the brackets so that the output jack for the KD-120 pad faces up.

Use the bolts you removed in step 2 to secure the KD-120 pad to the stand, tightening the bolts with the included drum key.

Adjusting the Spike Legs

- Slightly loosen the foot bolt.
- Move the rubber foot all the way upward, and then tighten the bolt.

The spike will protrude from the rubber foot.

Switching to the rubber leg

- Slightly loosen the foot bolt.
- Move the rubber foot all the way downward, and then tighten the bolt.

Adjusting the head tension

Before playing you must adjust the pad tension first. Adjust the tension so that the pad responds to your strikes with the appropriate feel.

- Check the current tension of the head.
- Remove the kick pedal from the KD-120.
- 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
Head tension that is too loose may not only cause incorrect operation, but may even damage the sensor.

Attach the included plastic beater on your kick pedal.

- Mount the kick pedal on the KD-120.

With certain kick pedals, the chain (or belt) may come into contact with the hoop surrounding the KD-120's pad. If this occurs, adjust the angle of the KD-120's pad to prevent such contact. Keep the adjustment within a range that does not allow the KD-120's pad hoop to touch the plate of the stand.

Prevent contact between the hoop and plate.

Allow sufficient clearance here.

If the kick pedal has no under-plate, then arrange the stand's plate section at a right angle to the floor.

NOTE
Please be aware that by using a felt beater for the KD-120, you risk causing damage to the head as a result of the metal portions of the beater that can become exposed when the felt wears thin. For the kick pedal, we recommend that you use only the supplied beater, or a commercially available plastic beater.

When placing two toms at the front

- As shown in the illustration, mount TOM 4 (PDX-100) in the position of the ride cymbal (CY-18DR).
- To do this, remove the cymbal mount and pad mount, and exchange their positions.
- Mount the ride cymbal (CY-18DR) and TOM 3 (PDX-100) where you can play them comfortably.
- Connect the cable with the T4 label to TOM 4 (PDX-100) 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 rack) 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.

1. Press the [ENTER] button.

2. Use the cursor buttons to select "PD140DS" or "CY18DR."

3. Use the [-]/+ buttons or the dial to specify the Assign.

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

NOTE
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.

04 Attach the parts

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

Attach the hi-hat (VH-11)

Check to make sure that the cymbal rod has been tightened sufficiently.

Compatible Stand

Diameter: 6.0-7.0 mm (0.236"-0.276")

Diameter: 11.7 mm (1/2") Max.

Use a commercially available hi-hat stand.

Attach the drum sound module (TD-50)

Attach the stick case to the pipe.

Attach the crash cymbal (CY-12C/CY-13R) and ride cymbal (CY-18DR)

Attach the tom (PDX-100)

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-120)

- Turn the T-bolt of the stand to adjust the leg length so that the KD-120 is stable.
- Adjust the strike position so that the beater strikes the center of the head.

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.

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.

Adjust the VH-11

If you're using the VH-11 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.

01 Adjusting the offset.

- After making the hi-hat settings, release your foot from the pedal, and while keeping your foot off the pedal, turn on the TD-50.
- Loosen the clutch screw and let the hi-hat rest naturally on the motion sensor unit.
- 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 "VH11."
- While reading the meter displayed on the right side of the TD-50's screen, adjust the offset with the VH-11's VH offset adjustment screw.

Adjust the offset so that the meter appears in the center.

NOTE
If the closed hi-hat sound is difficult to attain, rotate the VH offset adjustment screw towards "CLOSE." If the open hi-hat sound is difficult to attain, rotate the screw towards "OPEN." If the hi-hat sound when you strike the hi-hat forcefully, rotate the VH Offset adjustment screw towards "OPEN."

02 Adjusting the hi-hat.

- Adjust the gap between the metal portion in the center of the lower hi-hat and the sensor's center tip to a clearance of approximately 3 mm, then tighten the clutch screw.
- Change the spring tension by adjusting the hi-hat stand.

The tension may not be adjustable on some stands.

NOTE
When performing, make sure that the name "Roland" on the hi-hat is on the opposite side of the stand from the hi-hat pedal.

Fixing the cables

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

WARNING
Use the instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.

CAUTION
Use the instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.

CAUTION
Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

CAUTION
Take care so as not to get fingers pinched.

CAUTION
Keep small items out of the reach of children.

CAUTION
Avoid climbing on top of the unit, or placing heavy objects on it.

CAUTION
Take care not to get burned.

CAUTION
Disconnect all cords/cables before moving the unit.

CAUTION
Cautions when moving this unit.

IMPORTANT NOTES

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 (including software, music, 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.

Additional Precautions
Use a reasonable amount of care when using the unit's sensor, and when using the jacks and connectors. Rough handling can lead to malfunctions.

Additional Precautions
This instrument is designed to minimize the extraneous sounds produced when it 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.

Additional Precautions
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.

Additional Precautions
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.

Additional Precautions
Purchasers of this product are permitted to utilize said content (except song data such as Demo Songs) for the meeting, performing, recording and distributing original musical works.

Additional Precautions
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.

Additional Precautions
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