



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.

Time required: approx. 35 min.

- * This package does not include a kick pedal, a hi-hat stand, and a snare stand. Use with a commercially available kick pedal, hi-hat stand, and snare stand.
- * The drum key used to attach the pads is inside the packing carton of the kick drum.
- * A Phillips screwdriver (#2) is required to assemble this product, available separately.

VAD516

VAD516-1

- V51 (Drum sound module) x 1
- Sound module mounting plate x 1
- PD-14DSX (Digital snare) x 1
- CY-18DR (Digital ride) x 1
- VH-14D (Digital hi-hat) x 1
- CY-14R-T (V-Cymbal for crash 1) x 1
- CY-16R-T (V-Cymbal for crash 2) x 1

- Owner's Manual
- VAD516 Setup Guide (this document)
 - V51 Quick Start
 - Roland Cloud Connect Setup Guide
 - PD-14DSX Owner's Manual
 - CY-18DR Owner's Manual
 - VH-14D Owner's Manual
 - CY-14R-T/CY-12C-T Owner's Manual
 - CY-16R-T/CY-14C-T Owner's Manual

Cables

- Dedicated connection cable x 1 (included with V51)
- Connection cable x 1 (Packed in the respective cartons of the PD-14DSX, CY-18DR, VH-14D)
- * The accessories for the V51 are in the V51 packing carton.

VAD516-2

- PDA100 (V-Pad for tom 1) x 1
- PDA120 (V-Pad for tom 2) x 1
- PDA140F (V-Pad for tom 3) x 1
- PDS-5 (Drum sound module mounting stand) x 1
- Owner's Manual
- PDA140F/PDA120/PDA100 Owner's Manual

KD-20 (kick drum)

- KD-20 (Kick drum) x 1
- KD-20 Owner's Manual
- Kick drum patch x 1
- Wood hoop protector x 2
- Crash 2 trigger cable
- Drum Key

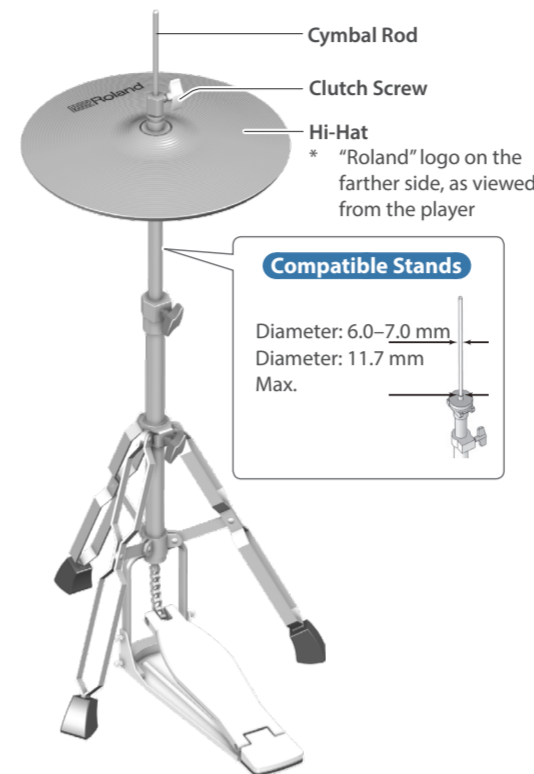
DTS321 (Drum stand)

- DCS-30 (Drum combination stand) x 2
- DBS-30 (Drum boom stand) x 1
- DCS-30/DBS-30 Owner's Manual
- Cable tie x 6

02

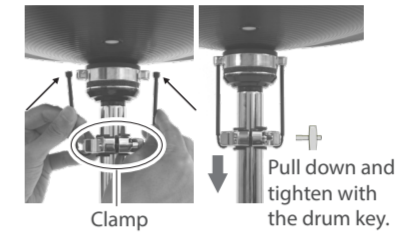
Assemble the hi-hat (VH-14D)

Assemble the hi-hat using the procedure described in "VH-14D Owner's Manual".

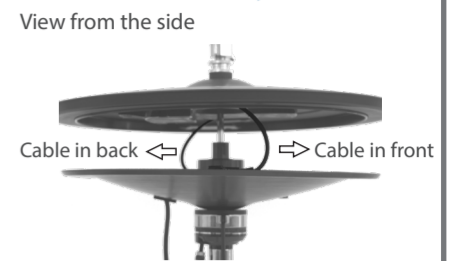
Time required: approx. 10 min.


- Place the bottom cymbal on the hi-hat stand with the cymbal rod passing through the bottom cymbal hole.

- Pass the ends of the clamp through the grooves in the metal portion of the bottom cymbal, then while strongly pulling the clamp downward, secure it with the drum key.



- Connect the link cables A/B on the top cymbal to the link jacks A/B of the bottom cymbal.



- * Don't pull the link cables too hard when assembling this product.
- * Make sure that both the top cymbal and bottom cymbal can be opened and closed smoothly.

03

Set up the stand

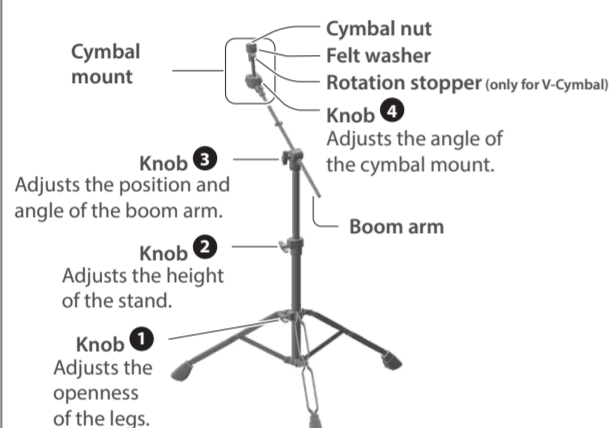
- * The tips of the cymbal mount and tom holder are sharp. Handle them with care.
- * When setting up or storing the stand, be careful not to pinch the fingers you use to handle the stand.

Watch the video manual

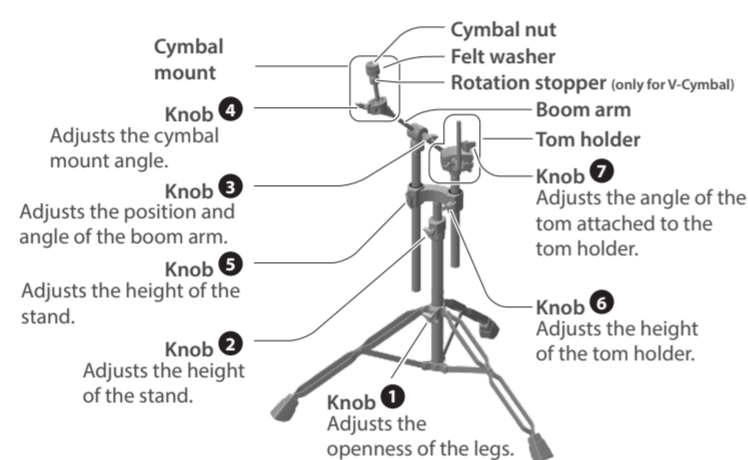
Also, watch the video manual for how to assemble this stand.

Time required: approx. 10 min.

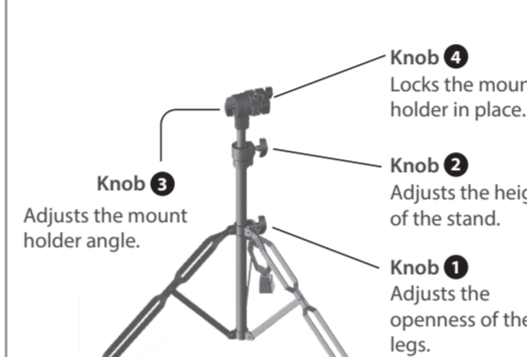
Drum boom stand (DBS-30)



Combination stand (DCS-30)



Drum sound module mounting stand (PDS-5)



- Loosen knob 1 and open up the legs, retighten the knob 1.
- Loosen knob 3 and turn the mount holder 90°, adjusting it so that the drum sound module can be mounted from directly above.
- Retighten the knob 3.

NOTE

- * If this is difficult to do, loosen knob 2 to adjust the height.
- * The PDS-5 is a dedicated stand for the drum sound module only. Do not mount SPD series products or pads onto this stand. The stand may fall over or get damaged.
- * Don't tighten the knobs too much, as this may result in deformation or damage.

NOTE

- * When setting up, ensure that the tripod of the stand is sufficiently open. If the tripod is insufficiently open, the appropriate degree of stability might not be obtained.
- * If you are using the boom arm in a lengthened position, stability will improve if the cymbal is directly above one of the tripod legs.
- * Likewise, when attaching the tom to the tom holder, stability will improve if the tom is directly above one of the tripod legs.
- * When you loosen the knob while adjusting the height or angle of tom or cymbal, the pipe or pad might fall and pinch your fingers. Use one hand to support the tom, pipe, or cymbal mount while you slowly loosen the knob.
- * To prevent the stand from tipping over or falling, tighten the knobs until there is no looseness. When tightening knob 3, ensure that the gears that maintain the angle are firmly meshed.

Now you've finished the first half of the assembly process. Why not take a break?

04

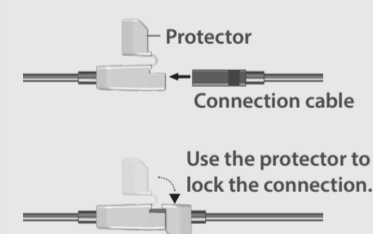
Attach the parts

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

Time required: approx. 35 min.

6 Setting up the hi-hat (VH-14D)

Insert the plug of the connection cable included with the VH-14D into the DIGITAL TRIGGER OUT jack of the VH-14D.

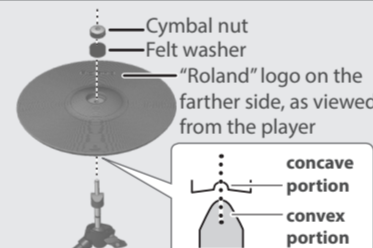


- * While playing, the "•" (round dot) marks on the top and bottom cymbals should be lined up, as shown in the illustration. The product may not work correctly if the marks aren't lined up.

4 Attach the crash cymbal (CY-12C-T / CY-16R-T) and ride cymbal (CY-18DR)

- Position the cymbal so that the convex portion of the cymbal mount is aligned with the concave portion of the bottom of the cymbal.
- Tighten the cymbal nut to obtain an appropriate amount of sway.

- * Use the cymbal nut and felt washer that are included with the drum stand.



Insert the plug of the connection cable into the CY-18DR's DIGITAL TRIGGER OUT connector.



5 Mounting the snare (PD-14DSX) on a snare stand

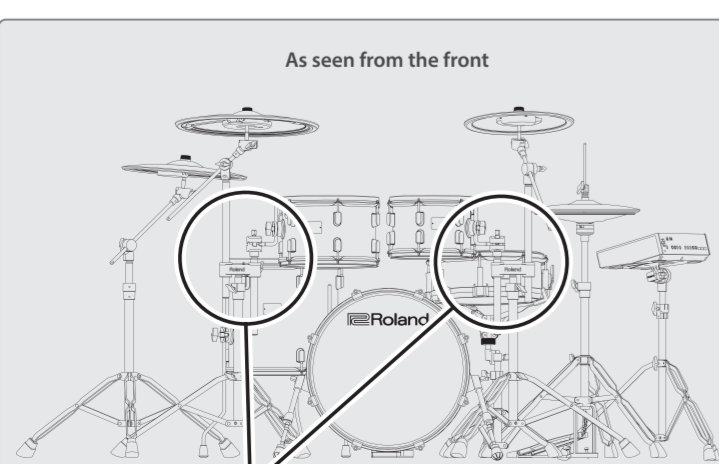
The PD-14DSX can only be used with a commercially available snare stand. * Make sure that the snare stand you are using is able to support a 14-inch shell.

Insert the plug of the connection cable into the PD-14DSX's DIGITAL TRIGGER OUT connector.



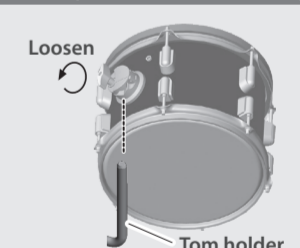
7 Attaching the drum sound module (V51)

Refer to "05: Connect the pads to V51" for how to attach the drum sound module.



- * The tom holder should be set up on the inside, and the cymbal mount on the outside.

3 Attach the toms (PDA100/PDA120)



2 Installing the floor tom (PDA140F)

Attach the legs to the floor tom. Attach the floor tom legs so that the bent portion of the legs extends outward at a right angle relative to the circumference of the tom.

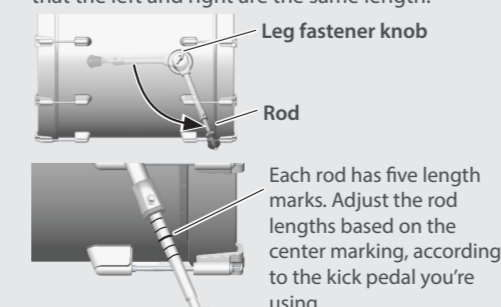


1 Attach the kick pedal (KD-20)

- * When using a felt beater or double kick pedal, see "Using a felt beater" or "Using double kick pedals" in "Kick drum (KD-20)", located on the back of this guide.

- Loosen the leg fastener knob, adjust the angle of the leg, and then tighten the leg fastener knob.

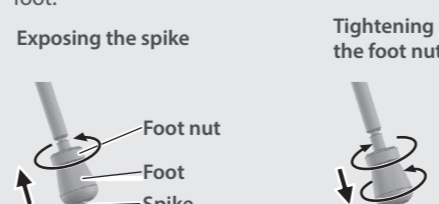
Using a drum key, adjust the length of the rods so that the left and right are the same length.



- Adjust the tip of the legs (spike/rubber) appropriately for the surface on which you're placing the KD-20.

Spike	Soft floor V-Drums mat (TDM series), carpet, etc.
Rubber	Hard floor Wood flooring, concrete, etc.

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



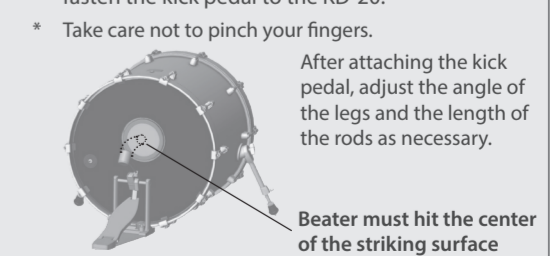
- * The tip of the spike is sharp; handle it with care.
- * Using the spike leg tips on wood flooring may damage the floor; the rubber leg tips should be used on wood flooring.

- Affix the wood hoop protectors to the position at which the kick pedal is attached.



- * The adhesive of the wood hoop protector works better if you apply it one day before attaching the kick pedal.

- Mount the kick pedal. Adjust the location at which the kick pedal is attached so that the beater strikes the center of the batter head's strike surface; then securely fasten the kick pedal to the KD-20.



- * Take care not to pinch your fingers. After attaching the kick pedal, adjust the angle of the legs and the length of the rods as necessary.



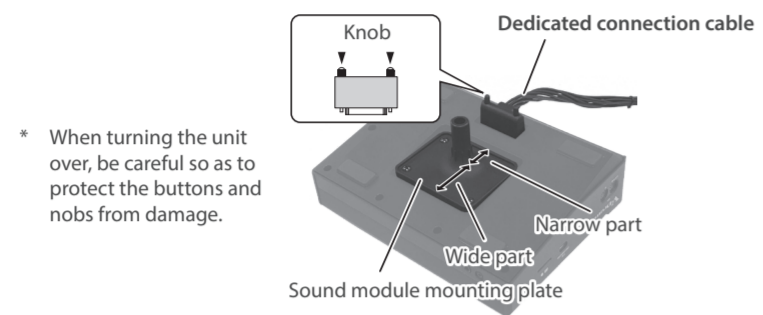
05

Connect the pads to V51

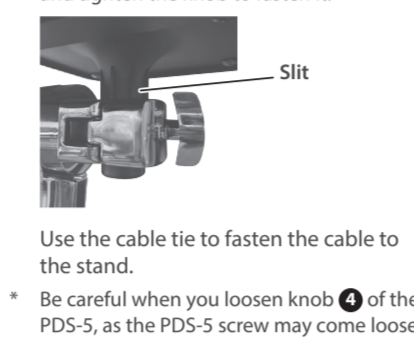
Time required: approx. **30** min.

Connection procedure

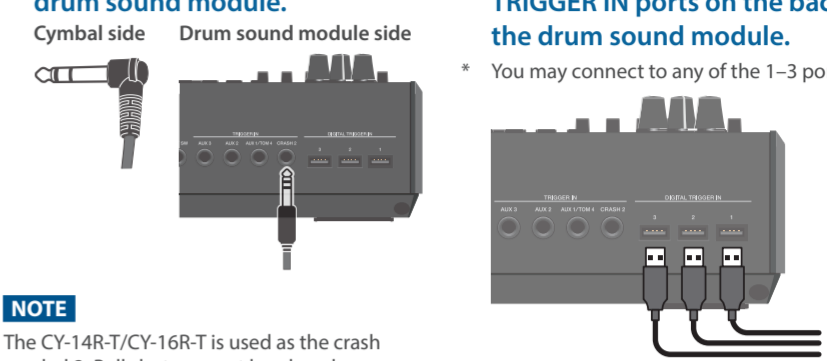
1. Have ready the sound module mounting plate that's included with the drum sound module.
2. Flip the drum sound module over.
3. Remove the screws on the bottom of the drum sound module, and attach the sound module mounting plate to the drum sound module.
4. Attach the dedicated connection cable that's included with the drum sound module to the drum sound module (bottom side).
Insert the connector all the way, then turn the knobs to fasten them securely.
5. Loosen knob ④ of the PDS-5, and insert the sound module mounting plate into the mount holder to fasten it.
* Insert the sound module mounting plate up to the slit as shown in the illustration, and tighten the knob to fasten it.
* Be careful when you loosen knob ④ of the PDS-5, as the PDS-5 screw may come loose.
6. Labels indicating the pad to be connected are attached to the dedicated connection cable. Connect the cable to the OUTPUT jack of each pad as shown in the illustration below.
* Insert the plug firmly, making sure it's all the way in.
* Some cable plugs come with protective caps. Remove the caps before connecting the cables to the pads.
7. Use the trigger cable included with the kick drum to connect crash cymbal 2 to the CRASH 2 jack on the rear panel of the drum sound module.
8. Using the included connection cables, connect the snare (PD-14DSX), ride (CY-18DR) and hi-hat (VH-14D) to the DIGITAL TRIGGER IN ports on the back of the drum sound module.
* You may connect to any of the 1-3 ports.
* The BELL OUTPUT jack is not used.



* When turning the unit over, be careful so as to protect the buttons and knobs from damage.

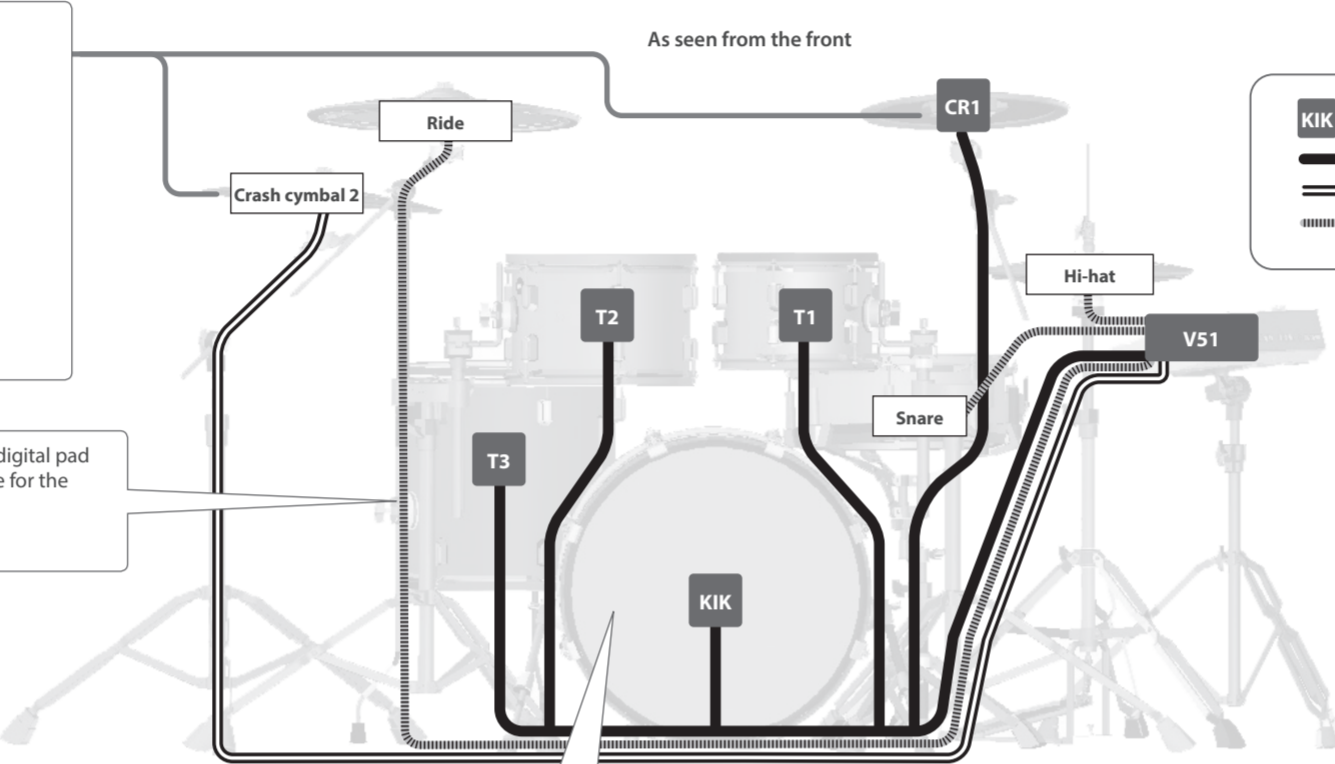


Use the cable tie to fasten the cable to the stand.
* Be careful when you loosen knob ④ of the PDS-5, as the PDS-5 screw may come loose.



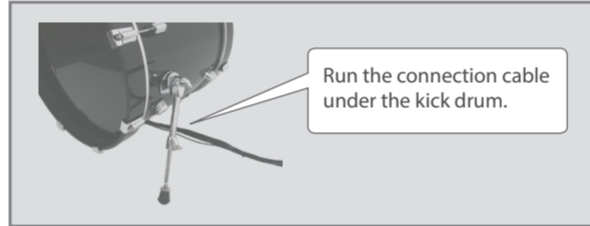
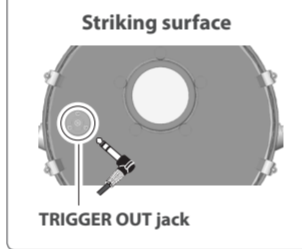
NOTE
The CY-14R-T/CY-16R-T is used as the crash cymbal 2. Bell shots cannot be played.
Plug
→ BOW/EDGE OUTPUT jack
* The BELL OUTPUT jack is not used.

NOTE
The CY-14R-T/CY-16R-T is used as the crash cymbal 2. Bell shots cannot be played.
Plug → BOW/EDGE OUTPUT jack
* The BELL OUTPUT jack is not used.



KIK CR1 Labels attached to the end of the cable
 Dedicated connection cable
 Trigger cable (Crash 2)
 Connection cable (Snare, Ride, Hi-hat)

* Use the longest digital pad connection cable for the ride.



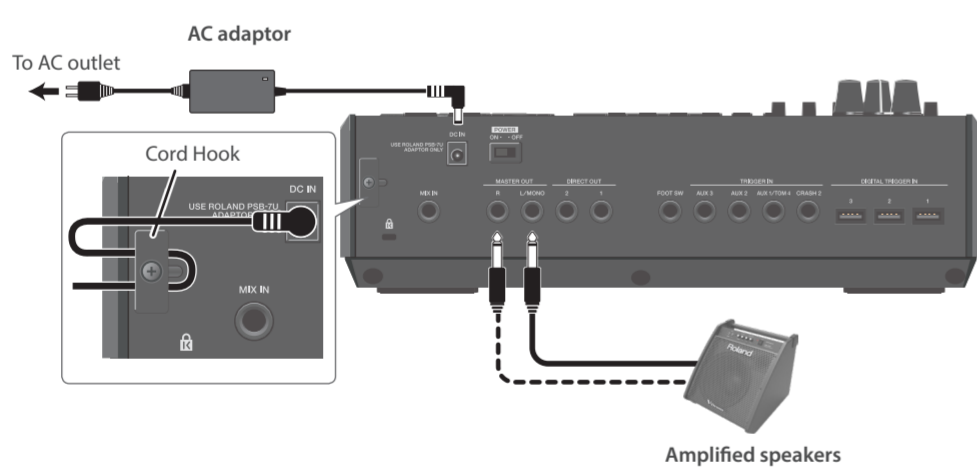
* The wiring shown in the illustration is an example of our recommended cable connections.

06

Connect the AC adaptor and headphones

Connect the AC adaptor, headphones, or amplified speakers.

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



Now you've finished with the setup.

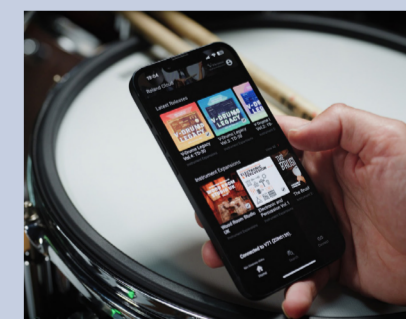
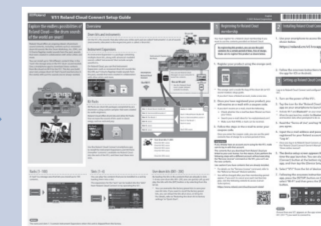
Once you can hear the sounds they play, install the "Roland Cloud Connect" app!

This lets you add world-famous drum kits like the DW, as well as kits that reproduce the sounds of famous rock, metal and pop songs by adding sounds from the mobile app to the sound module.

With the sounds you like, you're sure to become even more immersed in your drum playing.

These drum contents are released regularly, so we hope you'll use these sounds to open up new possibilities in your life when playing the drums!

Refer to the "Roland Cloud Connect Setup Guide" (separate document) for how to install the app.

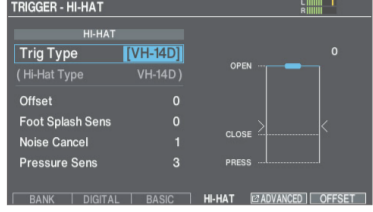


Adjust the hi-hat (VH-14D)

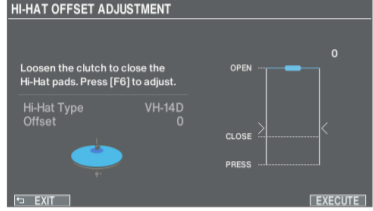
Adjusting the offset

When using the VH-14D, be sure to adjust the offset and hi-hat on the V51 after connecting. This adjustment is required in order to correctly detect open, close, and pedal operations.

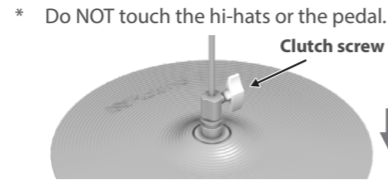
1. Press the V51's [SETUP] button.
2. Use the cursor buttons to select "TRIGGER" and press the [ENTER] button.
3. Press the [F4] (HI-HAT) button. The TRIGGER - HI-HAT screen appears. Make sure that Trig Type is set to "VH-14D".



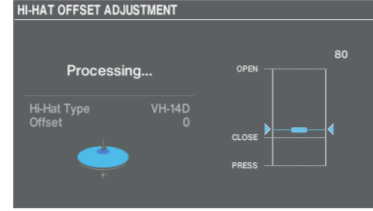
4. Press the [F6] (OFFSET) button. The HI-HAT OFFSET ADJUSTMENT screen appears.



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



6. Press the [F6] (EXECUTE) button. "Processing..." is shown once calibration begins.



"Complete!" is shown once calibration is finished, and the display returns to the TRIGGER screen.

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

Adjusting the hi-hat

1. Adjust the gap between the top cymbal and bottom cymbal to a clearance of approximately 10 mm, then tighten the clutch screw.



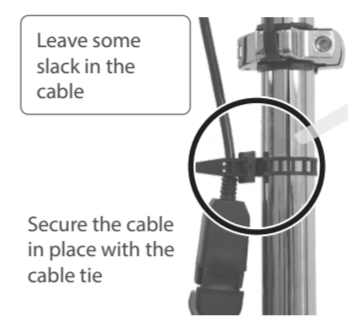
* Although the gap can be adjusted to a clearance that makes playing the hi-hat easier, setting too narrow or wide a gap can cause improper function of the unit and prevent the hi-hat from sounding as you intend. Setting the gap to 10 mm provides the most natural feel when playing the VH-14D.

2. Change the pedal spring tension by adjusting the hi-hat stand.

For instructions on adjusting the tension, refer to the owner's manual for your hi-hat stand.

* If the spring tension is too high or too low, the hi-hat may not operate correctly and you might not be able to play the way you intended.
* The tension may not be adjustable on some stands.

Fixing the cables



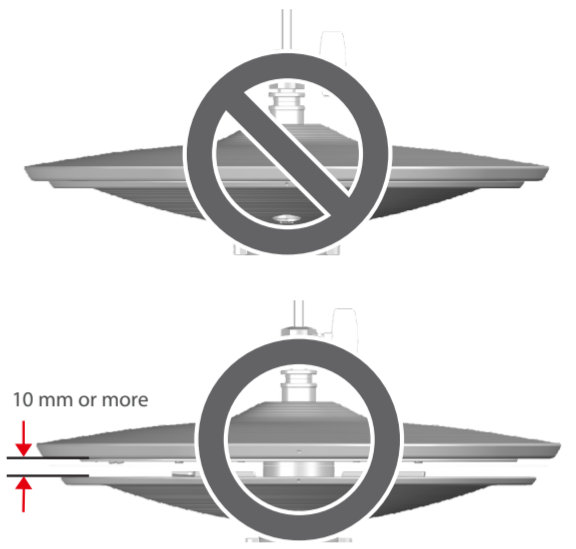
1. Wind a cable tie around a cable. Be sure to make this small plastic hook visible from you.
2. Wind a cable tie around the pipe and tighten it in order not to slip. Insert the small plastic hook to a hole to secure the cable to the cymbal arm.

NOTE

- Continuous playing may cause dis-coloration of the pad, but this will not affect the Pad's function.
- See the "VH-14D Owner's Manual" for details on the hi-hat.

When Not Playing

When you're not playing, secure the top cymbal and bottom cymbal so that they are separated by at least 10 mm of space. Malfunction may occur if they are not separated.

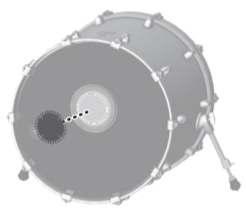


Kick drum (KD-20)

Using a felt beater

When using a felt beater, be sure to apply the included kick drum patch to the batter head pad face to protect it.

When using a non-felt beater, you can keep using the pad normally with the patch still on.



- * If you wish to remove the marks (adhesive) that remain after you peel off the patch, wipe them off with a cloth and rubbing alcohol.
- * Do not use rubbing alcohol on any other parts besides the batter head's strike surface. Using rubbing alcohol on plastic or wooden parts may cause discoloration or damage.

Using double kick pedals

The KD-20 can also be used with double kick pedals. Adjust the striking points of the two beaters so that they are at equal distances to the left and right of the batter head's strike surface.

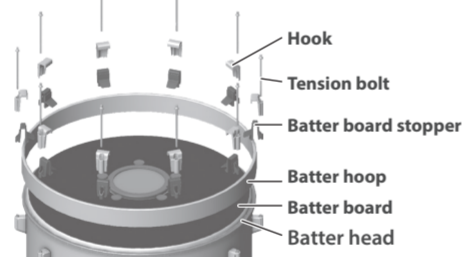


If the beater's striking point cannot be aligned appropriately

Depending on the kick pedal, it might not be possible to attach it to the kick drum so that the strike point of the two beaters is located symmetrically to the left and right of the center of the batter head's strike surface.

In this case, use the following procedure to adjust the position of the batter head's strike surface.

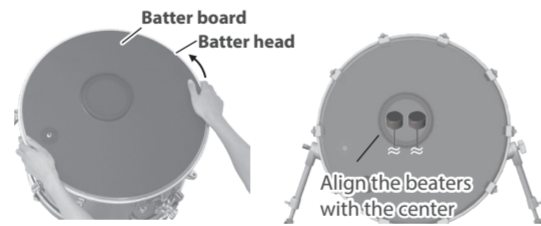
1. Loosen the tension bolt, remove all of the hooks/tension bolts, the batter board stopper, and the batter hoop.



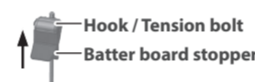
NOTE

To avoid injury, damage, or malfunction, do not detach the batter board and batter head from the shell. Take care not to injure your hands or feet while working.

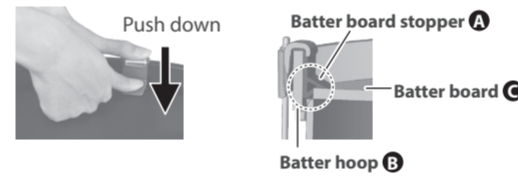
2. Rotate the batter head and board together, and adjust them so that the beaters are aligned to the center.



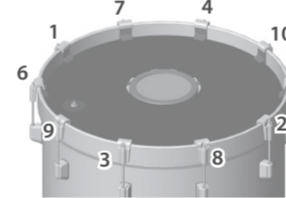
3. Place the batter hoop back.
4. Attach the batter board stopper to the hooks/tension bolts.



5. Alternating between opposite sides and using your fingers to press the hooks and batter board stoppers, insert the tension bolts into the lugs while pressing the batter board stoppers in between the batter hoop and the batter board.



6. Working alternately across opposite sides of the drum, lightly tighten each tension bolt until the hooks do not wobble.



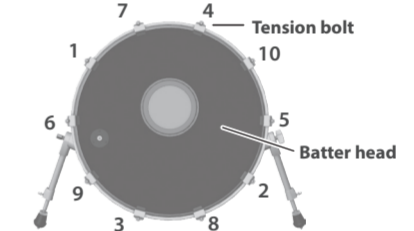
7. Then tighten each tension bolt another 3/4 of a turn to secure the front head.

* If the batter head is not secured sufficiently, the sensor might malfunction, or the sound of the strike might be too loud.

Adjusting the head tension

Adjust the tension of the batter head before you play the KD-20. You can vary the strike response (playing feel) by adjusting the tension.

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



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

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

NOTE

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

Reference

For details on the Kick drum, refer to "KD-20 Owner's Manual".

Snare (PD-14DSX)

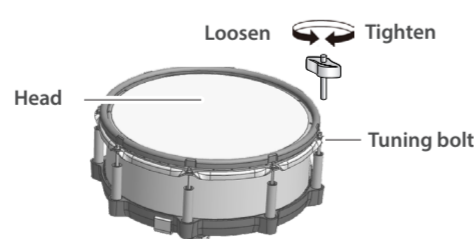
Adjusting the head tension

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

Adjust the tension so that the pad responds to your strikes with the appropriate feel.

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

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



NOTE

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

Reference

For details on the snare, refer to the "PD-14DSX Owner's Manual".

Tom (PDA100/PDA120/PDA140F)

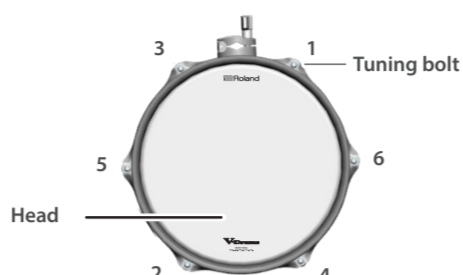
Adjusting the head tension

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

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

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

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



NOTE

Adjusting the head tension affects only the head response, and does not change the pitch of the sound as it would on an acoustic drum.

Pitch adjustments are made by editing the sound in your drum sound module.

Reference

For details on the tom, refer to the "PDA140F/PDA120/PDA100 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 severe injury should the unit be used improperly.

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

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

About the Symbols

The symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.

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

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

ALWAYS OBSERVE THE FOLLOWING

WARNING

Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness; or are
- Placed in a poorly ventilated location.

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.

WARNING

Precautions regarding placement of this unit on a stand

Be sure to follow the instructions in the VAD516 Setup Guide carefully when placing this unit on a stand.

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.

Be cautious to protect children from injury

Always make sure that an adult is on hand to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.

CAUTION

Use only the specified stand(s)

This unit is designed to be used in combination with specific stands 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.

Use the stand only for the specified products

The included drum sound module mounting stand is designed specifically to be used with the Roland V51. If used in combination with other products, you risk sustaining injuries as the result of the product dropping down or toppling over due to a lack of stability.

CAUTION

Route all power cords and cables in such a way as to prevent them from getting entangled

Injury could result if someone were to trip on a cable and cause the unit to fall or topple.

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

Otherwise, you risk injury as the result of the unit toppling over or dropping down.

Disconnect all cords/cables before moving the unit

Damage or malfunction may result if you fail to disconnect all cables before moving the unit.

Take care so as not to get fingers pinched

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

- Stands
- Pedals
- Knobs

Keep small items out of the reach of children

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

- Included Parts
 - Cable tie
 - Drum key
- Removable Parts
 - Screws
 - Washers
 - Nuts
 - Felt washers
 - Springs
 - Hand knobs

IMPORTANT NOTES

Placement

- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface.

Additional Precautions

- This instrument is designed to minimize the extraneous sounds produced when it's played. However, since sound vibrations can be transmitted through floors and walls to a greater degree than expected, take care not to allow these sounds to become a nuisance others nearby.
- When disposing of the packing carton or cushioning material in which this unit was packed, you must observe the waste disposal regulations that apply to your locality.
- 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.
- 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.

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