

## 1 Check the included items

As soon as you open the package, check to see that all items are included. If anything is missing, please contact your dealer.  
\* This package does not include a kick pedal, a hi-hat stand, and a snare stand. Use with a commercially available kick pedal, hi-hat stand, and snare stand.  
\* The drum key used to attach the pads is inside the packing carton of the drum sound module.

VAD506 / VAD503 parts

**1** KD-200 (Bass Drum) x 1  
\* The cable included with the KD-200 is not used.  
**2** TD-27 (Drum sound module) x 1  
Sound module mounting plate x 1  
Drum key x 1  
Wing bolts x 2  
Dedicated connection cable x 1  
**3** PD-140DS (Digital snare) x 1  
Connection cable x 1  
**4** CY-18DR (Digital ride) x 1  
Connection cable x 1  
**5** VH-10 (Hi-hat) x 1  
**6** CH-14CT (Crash 1) x 1  
**7** DCS-10 (Drum combination stand) x 1  
**8** DBS-10 (Drum boom stand) x 1  
**9** PDA140F (Floor tom) x 1  
Legs x 3  
**10** PDA100 (tom 1) x 1  
**11** APC-10 (All purpose clamp) x 1

**Only VAD506**  
**12** DCS-10 (Drum combination stand) x 1  
**13** PDA120 (tom2) x 1  
**14** CY-16RT (Crash 2) x 1  
**15** Trigger cable x 1

**Owner's Manuals**  
 VAD506/VAD503 Setup Guide (this document)  
 TD-27 Quick Start  
 KD-200 Owner's Manual  
 PD-140DS Owner's Manual  
 CY-18DR Owner's Manual  
 VH-10 Owner's Manual  
 CY-16R-T/CY-14C-T Owner's Manual  
 DBS-10/DCS-10 Owner's Manual  
 PDA100/PDA120/PDA140F Owner's Manual  
 APC-10 Owner's Manual

## 2 Set Up the Stand

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

Setup procedure

Set up the stand as shown in the illustration.

**Boom stand (DBS-10)**  
Adjust the angle of the boom arm, and fasten it.  
Adjust the height of the stand, and fasten it.  
Adjust the openness of the legs, and fasten them.

**Combination stand (DCS-10)**  
Adjust the angle of the cymbal mount, and fasten it.  
Adjust the angle of the boom arm, and fasten it.  
Adjust the height of the stand, and fasten it.  
Adjust the openness of the legs, and fasten them.

Attach the all-purpose clamp to the stand.  
**Combination stand (DCS-10)**  
Using the drum key included with the drum sound module, loosen the bolt and slide the drum sound module attachment to the desired position.  
Loosen the knob, and clamp the stand with the all-purpose clamp.  
Tighten the knob, and fasten it.

**NOTE Stand**  
\* When setting up, ensure that the tripod of the stand is sufficiently open. If the tripod is insufficiently open, the appropriate degree of stability might not be obtained.  
\* If you are using the boom arm in a lengthened position, stability will improve if the cymbal is directly above one of the tripod legs.  
\* Likewise, when attaching the tom to the tom holder, stability will improve if the tom is directly above one of the tripod legs.  
\* When you loosen the knob while adjusting the height or angle of tom or cymbal, the pipe or pad might fall and pinch your fingers. Use one hand to support the tom, pipe, or cymbal mount while you slowly loosen the knob.  
\* To prevent the stand from tipping over or falling, tighten the knobs until there is no looseness. When tightening knob ⑤ or knob ⑦, ensure that the gears that maintain the angle are firmly meshed.

**NOTE All purpose clamp**  
\* Tighten the hex nut according to the diameter of the pipe that is being clamped. Ensure that the clamp is parallel with the main unit when the knob ② and knob ③ is tightened.  
\* Take care not to slide the drum sound module mount too far outward. Doing so will produce instability, possibly allowing the drum sound module to fall.

## 3 Attaching Various Parts

**Attach the hi-hat**  
Clutch screw  
Hi-hat  
Motion sensor unit  
CONTROL OUT jack on the farther side, as viewed from the player  
Insulating plate  
Sponge side up

**Attach the crash cymbal and ride cymbal**  
1. Position the cymbal so that the stopper (convex portion) of the cymbal mount is aligned with the concave portion of the bottom of the cymbal.  
2. Tighten the cymbal nut to obtain an appropriate amount of sway.  
\* Use the cymbal nut and felt washer that are included with the drum stand.  
Cymbal nut  
Felt washer  
Rotation stopper (convex portion)  
Insert the plug of the connection cable into the CY-18DR's DIGITAL TRIGGER OUT connector.  
DIGITAL TRIGGER OUT connector  
Connection cable  
Use the protector to lock the connection.

**Attach the toms**  
Loosen  
Tom holder

**Installing the floor tom**  
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.  
As seen from directly above

**Compatible stands**  
Diameter: 6.0-7.0 mm  
Diameter: 11.7 mm MAX

**Attach the drum sound module**  
1. Use the included wing bolts to attach the sound module mounting plate to the drum sound module.  
2. Insert the sound module mounting plate into the all-purpose clamp that is attached to the stand.  
3. Using the drum key included with the drum sound module, adjust the angle of the sound module mounting plate.  
Roland logo faces outward  
Sound module mounting plate  
Loosen  
All purpose clamp (APC-10)

**Mounting the snare 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's DIGITAL TRIGGER OUT connector.  
DIGITAL TRIGGER OUT connector  
Connection cable  
Use the protector to lock the connection.

**Attach the kick pedal**  
1. Loosen the leg fastener knob, adjust the angle of the leg, and then tighten the leg fastener knob.  
2. Affix the wood hoop protectors to the position at which the kick pedal is attached.  
3. Mounting the kick pedal.  
4. Adjust the location at which the kick pedal is attached so that the beater strikes the center of the striking surface.  
Leg fastener knob  
Wood hoop protector  
Beater must hit the center of the striking surface

## 4 Connect the pads to the drum sound module

Connection procedure

1. Connect the dedicated connection cable to the TRIGGER INPUT connector on the bottom of the drum sound module.  
Insert the connector all the way, then turn the knobs to fasten it securely.

2. Labels indicating the pad to be connected are attached to the dedicated connection cable. Connect the cable to the OUTPUT jack of each pad as shown in the illustration below.  
\* Insert the plug firmly, making sure it's all the way in.

3. Using the included connection cables, connect the snare (PD-140DS) and ride (CY-18DR) to the DIGITAL TRIGGER IN ports of the drum sound module.  
\* You may connect to any of the ports 1-3.

4. Using the included trigger cable, connect crash 2 to the CRASH 2 jack of the TRIGGER IN jack on the back panel of the drum sound module.

**Only VAD506**

**VAD506**  
As seen from the front

**VAD503**  
As seen from the front

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

Pass cables below the bass drum so that they do not obstruct performance.

The cables labeled T2, SNR, RD, and RDB are not used. Secure them so that they will not interfere with your performance.

## 5 Connect the AC adaptor and headphones

Connect the AC adaptor, headphones, or speakers.

\* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.  
\* Use the cord hook located on the bottom of the unit to secure the AC adaptor cord as shown in the illustration.

## Attaching the drum sound module to a different location

The drum sound module can be attached to a commercially available hi-hat stand or similar stand.

**NOTE Cables**  
Cables connected to the drum sound module should be carefully routed so that they are not entangled in the pedal of the hi-hat stand. If this occurs, the cables might be broken, or the hi-hat stand might tip over.

**NOTE All purpose clamp**  
\* Tighten the hex nut according to the diameter of the pipe that is being clamped. Ensure that the clamp is parallel with the main unit when the knobs of the all purpose clamp are tightened.  
\* Take care not to slide the drum sound module mount too far outward. Doing so will produce instability, possibly allowing the drum sound module to fall.

**All purpose clamp (APC-10)**  
Diameter of pipe to which the APC-10 can be attached: 15.9-28.6 mm

**■ When you've finished making connections, turn on the power as described in "TD-27 Quick Start," and verify that you can hear sound.**

### ■ Set the snare (PD-140DS) and ride cymbal (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.



- Use the cursor buttons to select "OK," and press [ENTER] button.
- Use the cursor buttons to select "PD140DS" or "CY18DR".
- Use the dial to specify the Assign.  
\* You can't specify the same assignment multiple times.

Setting example

Pad	Assign
PD140DS	SNARE
CY18DR	RISE

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

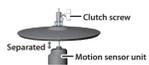


Adjust the hi-hat (VH-10)

If you're using the VH-10-Vi-hat, execute the offset adjustment from the drum sound module (TD-27) after making connections. This adjustment is required for pedal movements such as open or close to be detected correctly.

1 Adjust the offset.

1. With the hi-hat completely separated from the motion sensor unit, power-on the TD-27.



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

3. Press the [SYSTEM] button.

4. Use the cursor buttons to select "TRIGGER" and press the [ENTER] button.

5. Use the cursor buttons to select "HI-HAT" and press the [ENTER] button. The TRIGGER HI-HAT screen appears.



6. Use the dial to set the Trig Type to "VH10".

7. While reading the meter displayed on the right side of the TD-27's screen, adjust the offset with the VH-10's offset adjustment screw.

Adjust the offset so that the <math>\triangleleft</math> appear in the meter.



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

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

NOTE

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



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

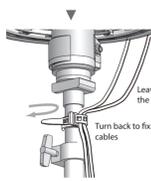
Reference

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

Fixing the cables

Wind the cable tie once

Tighten it not to slip



NOTE

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

USING THE UNIT SAFELY

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

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.

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.

**WARNING**

Be cautious to protect children from injury

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

**Do not drop or subject to strong impact**

Otherwise, you risk causing damage or malfunction.

**Use only the stand that is recommended**

This unit should be used only with a stand (DCS-10, DBS-10) and an all purpose clamp (APC-10) that is recommended by Roland.

**Do not place in a location that is unstable**

When using the unit with a stand (DCS-10, DBS-10) and an all purpose clamp (APC-10) that is recommended by Roland, the stand must be carefully placed so it is level and sure to remain stable. If not using a stand, you still need to make sure that any location you choose for placing the unit provides a level surface that will properly support the unit, and keep it from wobbling.

CAUTION

**Use only the specified stands!**

This unit is designed to be used in combination with specific stands (DCS-10, DBS-10) and all purpose clamp (APC-10) 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.

**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, toes, etc., pinched. Whenever a child uses the unit, an adult should be on hand to provide supervision and guidance.

- Stands
- Pedals
- Knobs

**Keep small items out of the reach of children**

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

- Included Parts:**
- Cable tie
  - Wing bolts
  - Drum key

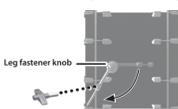
- Removable Parts:**
- Screws
  - Washers
  - Nuts
  - Felt washers
  - Springs
  - Hand knobs
  - Protective cap for dedicated connection cable

Bass drum (KD-200)

1 Extend the legs of the bass drum.

1. 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.



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

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

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



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

2 Attaching the kick pedal.

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



2. Mount the kick pedal.

Adjust the location at which the kick pedal is attached so that the beater strikes the center of the strike surface; then securely fasten the kick pedal to the KD-200.



3. After attaching the kick pedal, adjust the angle of the legs and the length of the rods as necessary.
- \* A variety of commercially available beaters can be used, including felt, plastic, or wood types. However, if you use a felt beater, strike marks of the felt might remain on the striking surface.

NOTE

- Secure the kick pedal and KD-200 firmly in place.
- Take care not to pinch your fingers.

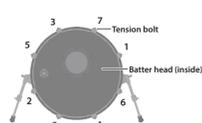
3 Adjusting the head tension

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

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

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

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



NOTE

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

Reference

For details on the Bass drum, refer to "KD-200 Owner's Manual."

Snare (PD-140DS)

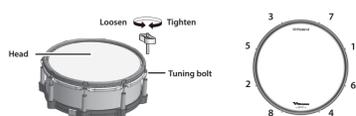
Adjusting the head tension

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 "PD-140DS Owner's Manual."

Tom (PDA100 / PDA120 / PDA140F)

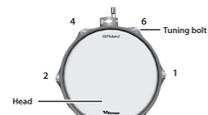
Adjusting the head tension

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 toms, refer to "PDA100/PDA120/PDA140F Owner's Manual."

Crash cymbal (CY-16R-T) / (CY-14C-T)

Ride cymbal (CY-18DR)

Fixing the cables



Reference

For details on the cymbals, refer to "CY-16R-T/CY-14C-T Owner's Manual" or "CY-18DR Owner's Manual."

NOTE

Continuous playing may cause dis-coloration of the pad, but this will not affect the Pad's function.

IMPORTANT NOTES

Additional Precautions

Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.

This instrument is designed to minimize the extraneous sounds produced when it's played. However, since sound vibrations can be transmitted through floors and walls to a greater degree than expected, take care not to allow these sounds to become a nuisance others nearby.

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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