

Roland®

**Roland Drum System
V-Compact series**

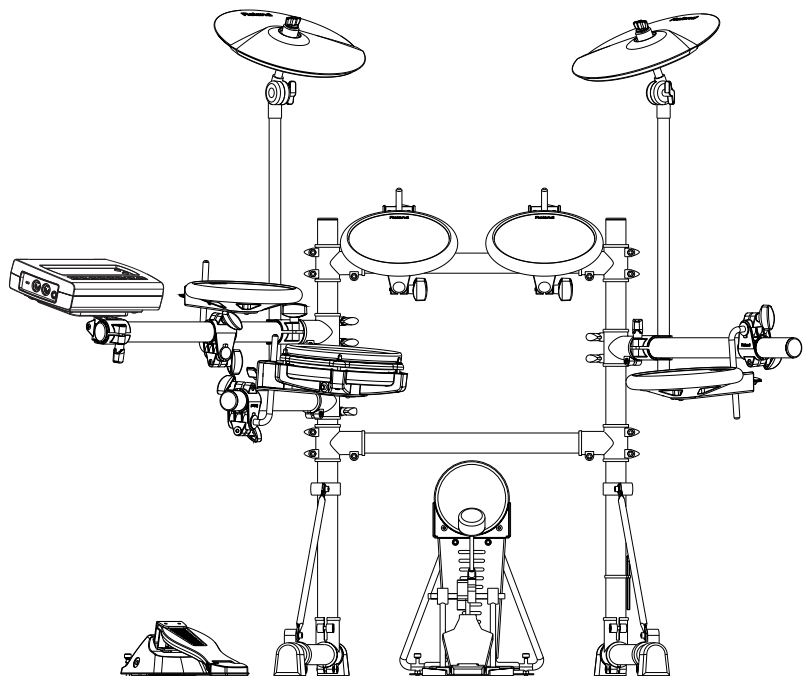


TD-3KV

Owner's Manual

Thank you, and congratulations on your choice of the Roland Drum System TD-3KV.

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (p. 2; p. 3). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.







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
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

- Before using this unit, make sure to read the instructions below, and the Owner's Manual. 
- Do not open or perform any internal modifications on the unit. 
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. 
- Never use or store the unit in places that are:
 - 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 
 - Humid; or are
 - Exposed to rain; or are
 - Dusty; or are
 - Subject to high levels of vibration.
- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces. 
- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit. 


WARNING

- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit. 
- Protect the unit from strong impact. (Do not drop it!) 

CAUTION

- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children. 
- Never climb on top of, nor place heavy objects on the unit. 
- Should you remove nuts, washers, screws, anchor bolts, etc., keep them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally. 

IMPORTANT NOTES

In addition to the items listed under “USING THE UNIT SAFELY” on page 2, please read and observe the following:

Placement

- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

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.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable’s internal elements.
- Since sound vibrations can be transmitted through floors and walls to a greater degree than expected, take care not to allow such sound to become a nuisance to neighbors, especially at night and when using headphones. Although the drum pads and pedals are designed so there is a minimal amount of extraneous sound produced when they’re struck, rubber heads tend to produce louder sounds compared to mesh heads. You can effectively reduce much of the unwanted sound from the pads by switching to mesh heads.
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- Use a cable from Roland to make the connection. If using some other make of connection cable, please note the following precautions.
 - Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

Check the Contents of the Box

- ❑ TD-3 (Percussion Sound Module) x 1
- ❑ KD-8 (Kick Trigger Pad) x 1
- ❑ FD-8 (Hi-Hat Control Pedal) x 1
- ❑ PD-85BK (V-Pad) x 1
- ❑ PD-8 (Pad) x 4
- ❑ CY-8 (Cymbal Pad) x 2
- ❑ Connection Cables
- ❑ Tuning Key x 1
- TD-3KV Owner's Manual x 1

MEMO

- The tuning key is included in the FD-8 package.
- The TD-3 Owner's Manual is included in the TD-3 package.
- This package does not include a kick pedal. Use with a commercially available kick pedal.

* *In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.*

Drum Stand

Assemble the Drum Stand.

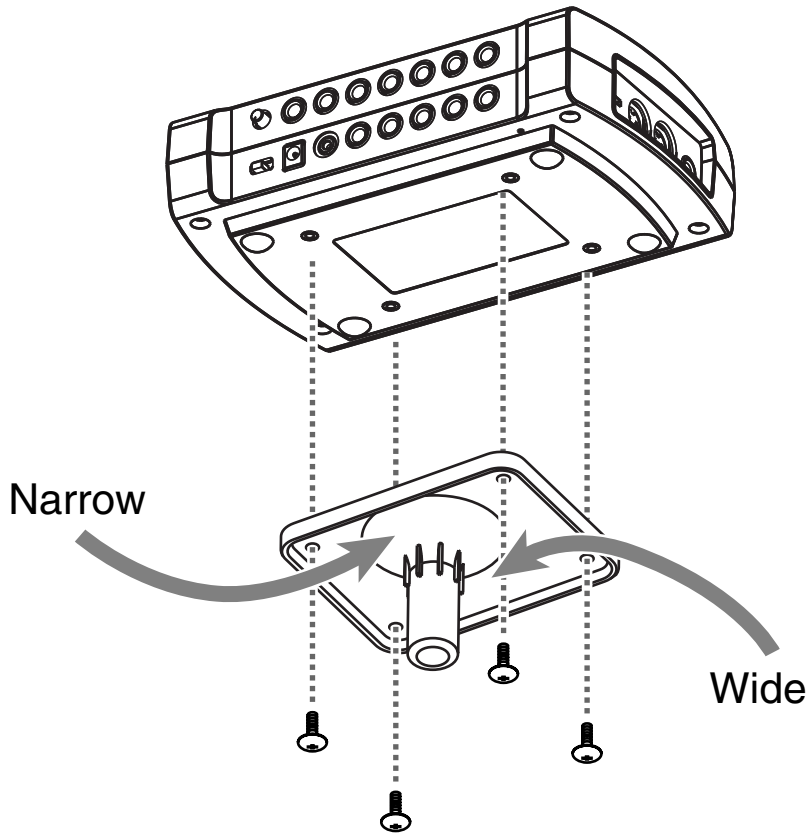


About the Stand, refer to the owner's manual for the stand.

TD-3 (Percussion Sound Module)

Attach the stand holder (included with the optional drum stand) to the TD-3.

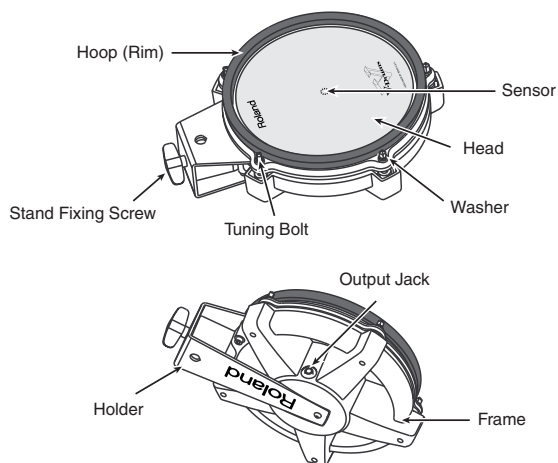
Using the screws attached to the bottom panel, attach the holder so the unit is oriented as shown in the diagram.



NOTE

- To attach the stand holder, remove the four 8 mm screws (M5 x 8) from the bottom of the TD-3 and use them. Use of other screws may result in damage to the unit.
- When turning the unit upside-down, get a bunch of newspapers or magazines, and place them under the four corners or at both ends to prevent damage to the buttons and controls. Also, you should try to orient the unit so no buttons or controls get damaged.
- When turning the unit upside-down, handle with care to avoid dropping it, or allowing it to fall or tip over.

PD-85BK (V-Pad)



Adjusting the Head Tension

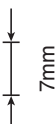
When adjusting, use the tuning key supplied with the FD-8.

The PD-85BK is shipped from the factory with the head tension loosened. Be sure to adjust the tension before use.

In general, a tension that produces a strike response approximately the same as an acoustic drum will be appropriate.

NOTE

- Striking the head when the head tension is loose may damage the sensor and head.
- Should you neglect to make the appropriate settings, you could likely experience the following problems:
**Sometimes it does not sound (uneven volume).
 The volume is too low (reduced sensitivity).**

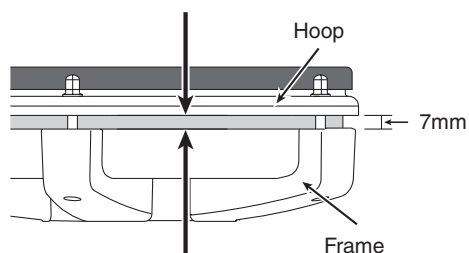


The band has a width of 7 mm.
Use this for adjusting the head tension.

MEMO

- On the PD-85BK, 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.
- The head tension will change as the instrument is used, so you should readjust when necessary.
- The head stretches when used for extended periods, so even when this is adjusted to 7 mm in the following procedure, you may not achieve the same degree of tension as when the head was initially adjusted. Strike the head to check the feel and response as you adjust the tension.

1. Use the tuning key supplied with the FD-8 to tighten the tuning bolts. Tighten the bolts until there is a space of approximately 7 mm between the frame and the hoop.

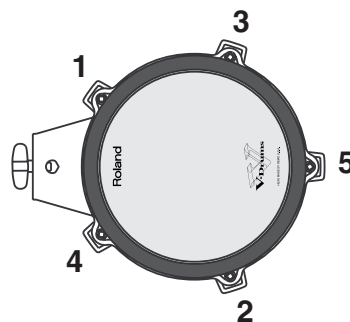


HINT

A black, 7 mm strip is printed at the edge of this page. Use this as a reference when making the adjustment.

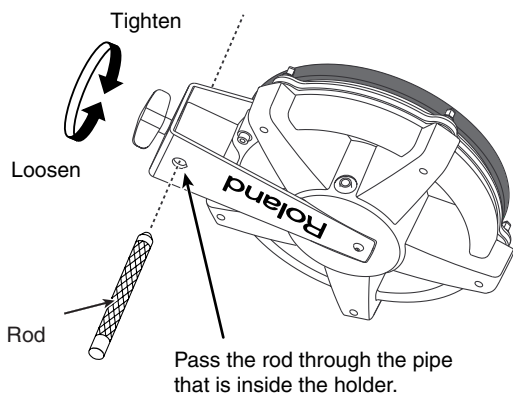
NOTE

Tighten each tuning bolt one by one, observing the numerical order shown in the diagram. Do not firmly tighten a single tuning bolt by itself. Doing so will make it impossible to tension the head evenly, and will cause malfunctions such as failure to accurately detect the striking location.



2. Fine-tune the adjustment while continuing to check the pad feel and response.

Attaching the Pad to a Stand

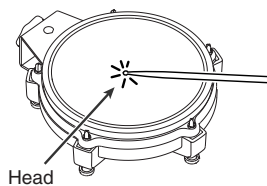


NOTE

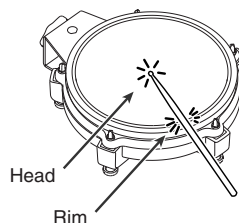
When attaching the PD-85BK to the mount, be sure to tighten the stand fixing screw securely. If it remains loose, the pad could fall off.

Playing the PD-85BK

Head Shot



Rim Shot



To play the sound assigned to the head, hit only the head.

To play a rim shot, you must **strike both the head and the rim of the pad simultaneously**.

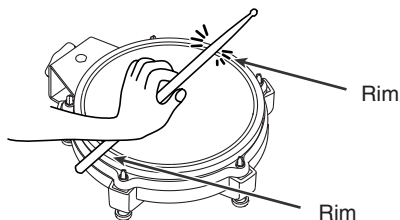
MEMO

- If hitting the head produces a rim sound instead, reduce the Rim Sensitivity value on the TD-3. The only the head shot will sound when it's set to "OFF."
- On the other hand, if you find it difficult to get rim shot sounds to play, raise the Rim Sensitivity value.



For details, refer to the TD-3 Owner's Manual (p. 59).

Cross Stick



The cross stick sound is sometimes referred to as a "closed rim shot."

When using the PD-85BK to play the cross stick, be sure that you **only strike the rim (outer edge) of the pad**. Placing your hand on the head (center area) of the pad might prevent the cross stick sound from being played properly.

Replacing the Head

When the Head Should Be Replaced

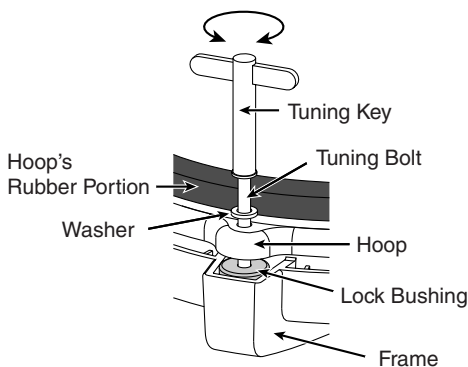
The head is an expendable item that eventually will wear out and need to be replaced. Replace the head when the following occurs:

- The head surface is torn
- Striking points are no longer detected correctly, even when the head tension is properly adjusted.
- Slack portions remain in the head even after the head tension is properly adjusted.

Replacement heads (optional): MH-8 Mesh Head

1. Remove all tuning bolts and washers.

* Press the lock bushing (in figure below) in place with your finger as you remove each tuning bolt, to prevent the bushings from being pulled off the frame.



For more on the lock bushings, refer to the following section, "About the Lock Bushings."

2. Remove the hoop.

3. Remove the old head.

4. Place the new head on the frame.

5. Place the hoop onto the head.

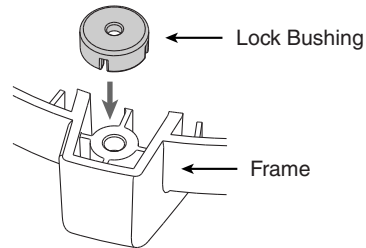
6. Pass the tuning bolts through the washers, then attach them to the hoop and frame.

7. Next, adjust the tension of the head (p. 6).

About the Lock Bushings

The PD-85BK is provided with lock bushings to prevent rotation and loosening of the tuning bolts caused by vibration transmitted from the hoop, as the result of using rim shots or other performance techniques.

If a lock bushing happens to become separated from the frame while the head is being replaced, position the bushing so its four slots are aligned with the corresponding ridges in the frame, then press down firmly on the bushing.



Specifications

PD-85BK: V-Pad

Pad Size: 8 inches

Triggers: 2 (Head, Rim)

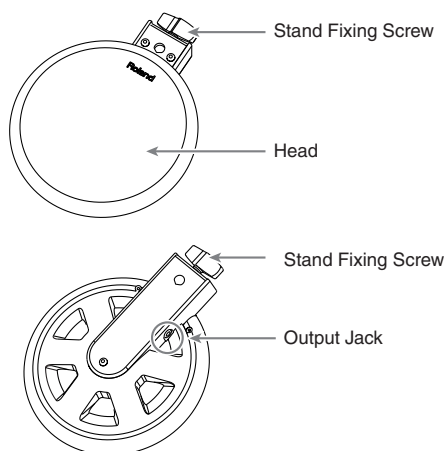
Dimensions: 245 (W) x 310 (D) x 95 (H) mm

9-11/16 (W) x 12-1/4 (W) x 3-3/4 (H) inches

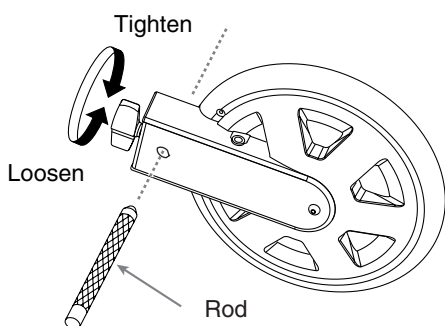
Weight: 1.7 kg / 3 lbs 12 oz

Option: Mesh Head (MH-8)

PD-8 (Pad)



Attaching the Pad to a Stand



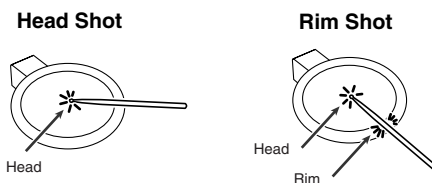
Pass the rod through the pipe that is inside the holder.

NOTE

When attaching the PD-8s to the mounts, be sure to tighten the stand fixing screws securely. If any of them remain loose, the pad could fall off.

Playing the PD-8

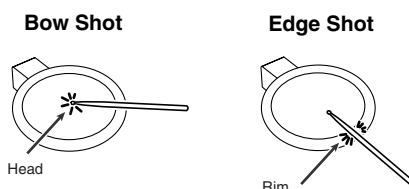
When Playing the Tom



To play the sound assigned to the head, hit only the head.

To play a rim shot, you must **strike both the head and the rim of the pad simultaneously**.

When Playing the Hi-Hat

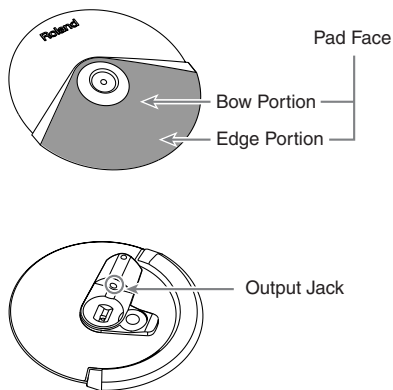


Hitting the head is like playing the bow of the hi-hat and hitting the rim is like playing the edge of the hi-hat cymbals.

Specifications

PD-8:	Pad
Pad Size:	8.5 inches
Triggers:	2 (Head, Rim)
Dimensions:	226 (W) x 280 (D) x 54 (H) mm 8-15/16 (W) x 11-1/16 (W) x 2-1/8 (H) inches
Weight:	1.2 kg / 2 lbs 11 oz

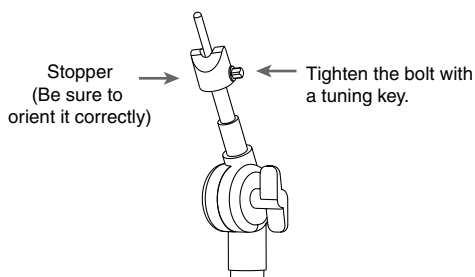
CY-8 (Cymbal Pad)



Attaching the Cymbal Pad to a Stand

1. Use the tuning key supplied with the FD-8 to tighten the stopper bolt.

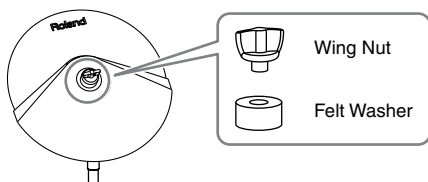
The stopper keeps the cymbal pad from turning, and prevents the cables from catching or getting tangled on the stand.



2. Attach the CY-8 so the Roland logo is positioned on the opposite side of the playing area.

3. Tighten the wing nut to obtain the desired movement.

Use the included felt washer and the wing nut.

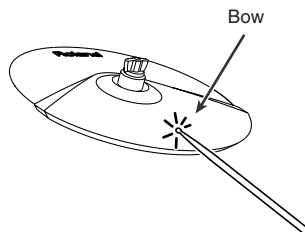


Double sounding may occur if the wing nut is loose.

Playing the CY-8

Bow Shot

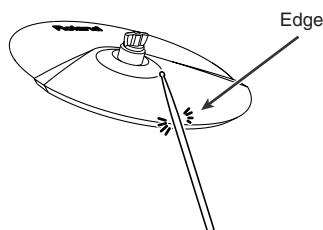
This is the most common playing method, playing the pad face of the cymbal. It corresponds to the sound of the "head-side" of the connected trigger input.



Edge Shot

This playing method involves striking the edge with the shoulder of the stick. It corresponds to the sound of the "rim-side" of the connected trigger input.

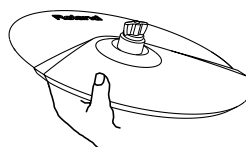
* To make use of edge shot, you'll need to connect to a trigger input jack on the percussion sound module that accommodates rim shots.



Choking

Choking (pinching) the cymbal's edge with the hand immediately after hitting the cymbal makes the sound stop.

* To make use of choking play techniques, you'll need to connect to a trigger input jack on the percussion sound module that accommodates rim shots.



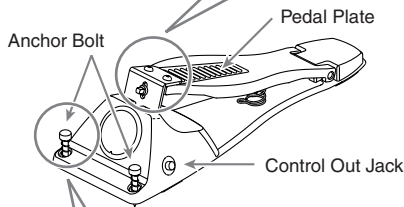
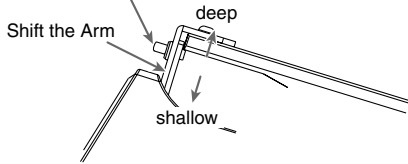
Specifications

CY-8:	Cymbal Pad
Pad Size:	12 inches
Triggers:	2 (Bow, Edge)
Dimensions:	290 (W) x 295 (D) x 47 (H) mm 11-7/16 (W) x 11-5/8 (D) x 1-7/8 (H) inches
Weight:	650 g / 1 lb 7 oz
Accessories:	Wing Nut, Felt Washer, Stopper

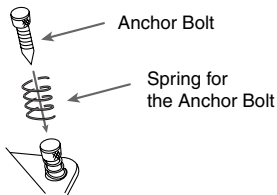
FD-8 (Hi-Hat Control Pedal)

Adjusting the Travel of the Pedal

Loosen the nut with the included tuning key. After adjusting, tighten the nut.



Attaching the Anchor Bolts (When Using on the Carpet)



NOTE

- The tips of the anchor bolts are sharp. Handle with care.
- When using on flooring, the anchor bolts may damage the floor. Do not attach the anchor bolts.
- When the FD-8 is not going to be used for a long period of time, move and fix the arm, allowing longer travel for the pedal.
- To avoid damage, do not leave the FD-8 for extended periods of time with the pedal plate depressed.

Using the FD-8

Using the FD-8, you can control the opening and closing of the hi-hat sound.

Open Hi-Hat

Strike the hi-hat without pressing the pedal

Half Open Hi-Hat

Strike the hi-hat with the pedal pressed half-way

Closed Hi-Hat

Strike the hi-hat with the pedal pressed

Foot Closed

Completely press down the pedal

HINT

The volume of the Foot Closed sound can be adjusted separately (TD-3 Owner's Manual; p. 42).

NOTE

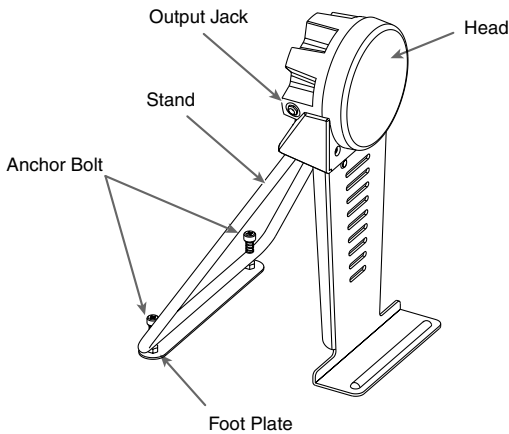
- Connect the FD-8 to the TD-3 before turning on the power.
- Do NOT press the pedal when turning on the power.

Specifications

FD-8: Hi-Hat Control Pedal

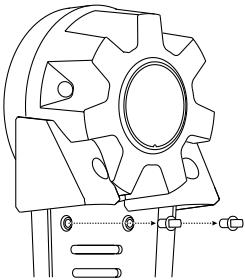
Dimensions:	130 (W) x 396 (D) x 103 (H) mm 5-1/8 (W) x 15-5/8 (D) x 4-1/16 (H) inches
Weight:	1.3 kg / 2 lbs 14 oz
Accessories:	Tuning Key

KD-8 (Kick Trigger Pad)

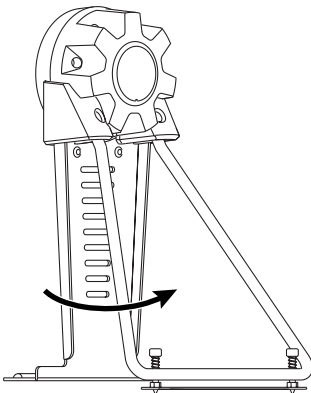


Making the Settings

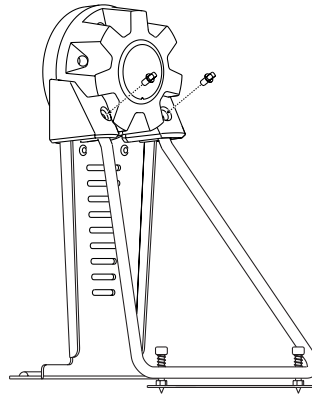
1. Remove the screws attached to the reverse side of the KD-8's trigger.



2. Pull out the stand in the direction indicated by the arrow until it is fully extended.

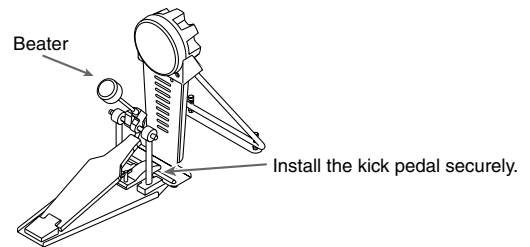


3. Use the tuning key supplied with the FD-8 to tighten the screws removed in Step 1 so that the stand is firmly secured.



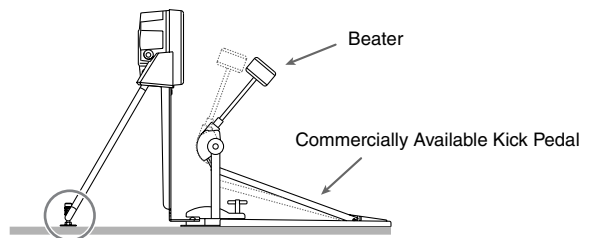
4. Attach the kick pedal.

Position the beater so that it strikes the center of the head, then secure the kick pedal and KD-8 firmly in place.



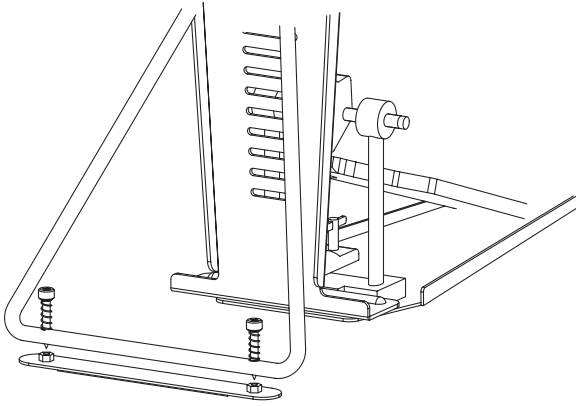
Adjusting the Foot Plate Height

Depending on your kick pedal, it can be unstable when you attach it to the KD-8. Be sure to adjust the foot plate height so that the entire bottom surface of the pedal is attached to the floor.

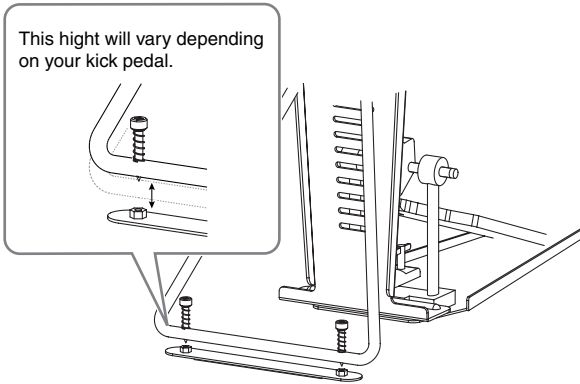


* Adjust the height so that the entire pedal comes into contact with the floor.

1. Loosen the stand's anchor bolts and remove the foot plate.



2. Set the kick pedal so that the entire bottom surface is attached to the floor.
3. In most cases, the stand becomes somewhat floated. Tighten the anchor bolts securely there to fix the stand and foot plate.



NOTE

- Install the kick pedal securely.
- Take care not to pinch your fingers.
- The tips of the anchor bolts are sharp. Handle with care.
- When moving the setup, be sure to remove the screws and fold the stand. Transporting the KD-8 while it remains open may subject the stand to excessive strain and result in damage to the stand.

Adjusting the Anchor Bolts

When using the kick pedal on a carpet or similar surface, adjust the anchor bolts so their tips protrude from the plate and secure the pedal in place; this will make it easier to use the kick pedal.

However, when used on flooring, the anchor bolts may damage the floor. Adjust the anchor bolts correctly.

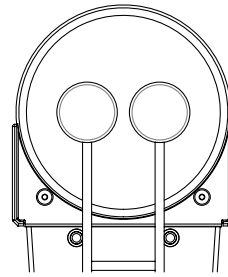
Adjusting the Anchor Bolts



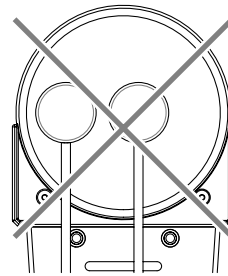
NOTE

The tips of the anchor bolts are sharp. Handle with care.

When Using a Twin Pedal



Position the two beaters equally apart from the center of the pad as shown in the figure at left. If one of the beater is further away from the center than the other, the sound from the further beater will be lower in volume, or will not sound as desired.



Using a twin pedal will result in lower sensitivity as compared to when a single pedal is used. Raise the sensitivity on the sound module.

Specifications

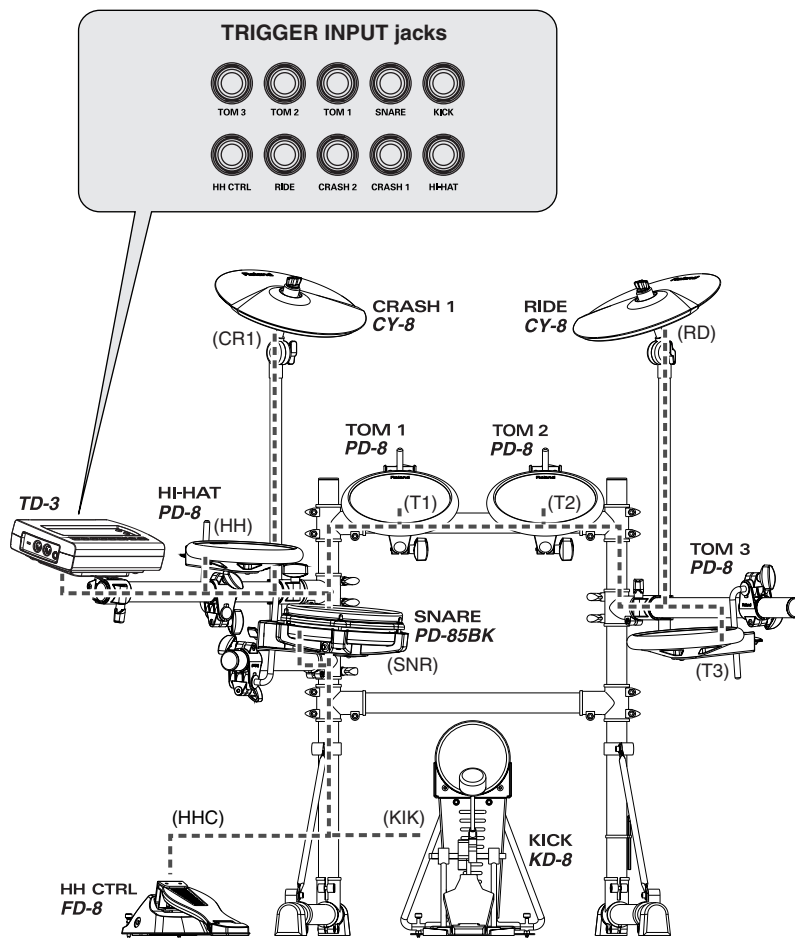
KD-8:	Kick Trigger Pad
Dimensions:	272 (W) x 260 (D) x 405 (H) mm 10-3/4 (W) x 10-1/4 (D) x 16 (H) inches
Weight:	2.9 kg / 6 lbs 7 oz
Accessories:	Screws

Assemble the "TD-3KV"

NOTE

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

Using the provided cables, connect the pads, cymbal pads, hi-hat control pedal, and kick trigger.



1. Insert the plugs of connecting cables into the TRIGGER INPUT jacks on the rear of the TD-3.
2. Insert the other plugs (opposite ends) into the TRIGGER OUTPUT jacks of the pads.

* When you connect the cables, please refer to the labels that are attached to both ends of the cables.

* Set the trigger type for trigger input SNARE to "B□r" (TD-3 Owner's Manual; p. 50).

