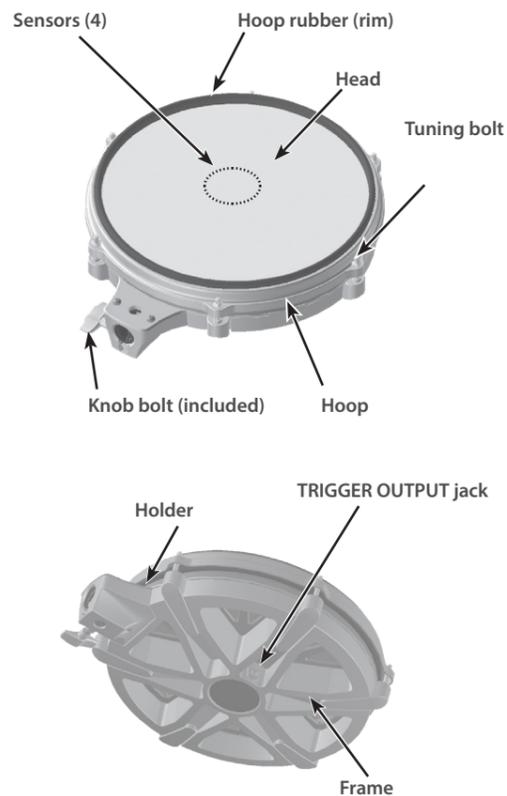# Checking what's included

Once you've opened the package, make sure that nothing is missing. If any of the included items are missing, consult with the dealer from which you purchased this product.

Main unit	
Knob bolt	
Connection cable	
Drum key	
Owner's Manual	

* The items in the package may differ if this product was included as part of a Roland drum kit.

Component names

Sensors (4)
Hoop rubber (rim)
Head
Tuning bolt
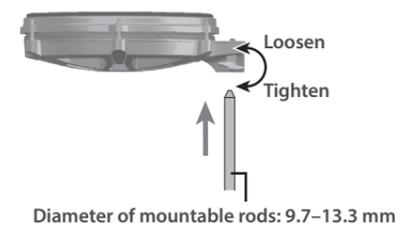Knob bolt (included)
Hoop

Holder
TRIGGER OUTPUT jack
Frame

Mounting onto a stand

The PD-12X/PD-10X can be mounted onto both a vertical rod type stand and a horizontal pipe/rod type stand.
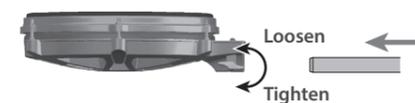
Use the included knob bolt when mounting.

* Make sure to insert the pad fully into the pipe or rod when mounting. You might damage the pad if it's only inserted halfway.

## For vertical rod type stands (such as MDS series, sold separately)

Loosen
Tighten

Diameter of mountable rods: 9.7–13.3 mm

For horizontal pipes/rods

Mount onto either the top or bottom hole.

Upper side (for pipes)
Diameter of mountable pipes: 22.2 mm

Bottom side (for rods)
* The bottom hole supports the use of round or hexagonal type rods.
Diameter of mountable rods (round type): 10.8 mm

Width of mountable rods (hexagonal type/width-across-flats): 9.5–10.0 mm

Length of mountable rods: 60–120 mm

Loosen
Tighten

Connecting to a drum sound module

Connect the PD-12X/PD-10X to a drum sound module.

Use the included connection cable.

Plug the L-shaped plug of the connection cable into the TRIGGER OUTPUT jack on the PD-12X/PD-10X.

Example: V71

I-shaped plug

To TRIGGER OUTPUT jack

L-shaped plug
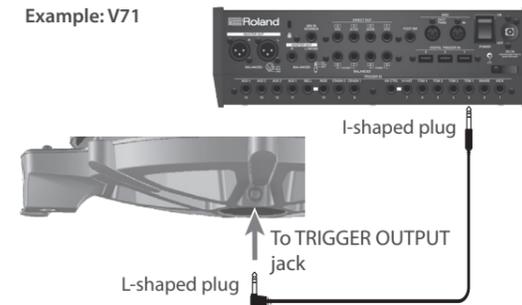
Recommended parameter settings

These are the recommended settings for the trigger parameters when using the PD-12X/PD-10X with different drum sound modules.

When the PAD TYPE or TRIG TYPE parameter for the drum sound module you're using has "PD-12X" or "PD-10X" as a selectable option, set these parameters to "PD-12X" or "PD-10X". If "PD-12X" or "PD-10X" are not available, see the support information on the Roland website.

https://roland.cm/trigger_prm

You may need to adjust the trigger parameters depending on the usage environment, such as how you've installed the PD-12X/PD-10X or the position in which it is set up.

Refer to the Owner's Manual of the respective drum sound module for how to configure this.
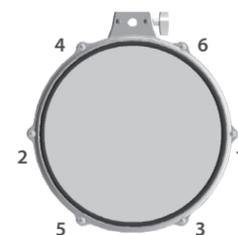
Adjusting the head tension

Adjust the head tension before you play the PD-12X/PD-10X. You can vary the head response (playing feel) by adjusting the tension.

* Before using the pad, tighten the head so that the tension is rather firm. The instrument may malfunction if the head tension is too loose.

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

Do not firmly tighten a single tuning bolt by itself. Doing so makes it impossible to tension the head evenly, and could cause faulty operation or malfunctions.

2. Adjust the tightness of each tuning bolt so that the head is tensioned evenly.

Replacing the head and hoop rubber

The head and hoop rubber are consumable parts, and their performance declines over time with use.

If the head surface or hoop rubber become torn, or if the surface of the head sags even when the head tension is correctly adjusted, it's time to replace the head or hoop rubber.

To obtain a replacement head or hoop rubber, contact either the dealer where you purchased this product, or Roland Support.

Replacing the head

NOTE
Do not apply too much force to the sensors below the head. This may cause the drum to incorrectly sense the force of impact, or cause damage.

1. Remove all the tuning bolts.
Turn each of the tuning bolts counterclockwise to loosen, a little at a time.

2. Remove the hoop and the old head.

3. Place the new head and hoop on the shell.

4. Attach all the tuning bolts (6).

5. Adjust the head tension.
See "Adjusting the head tension" for details.

Performance techniques

The performance techniques differ for the respective drum sound modules. For details, refer to the Owner's Manual of the drum sound module.

NOTE
- Use wood or plastic sticks. Using carbon or metal sticks might make the sensor malfunction.
- Use nylon brushes. Using metal brushes might make the sensor malfunction or scratch the pad.

Playing method	Explanation
Head shot Tone changes depending on strike point	Hit the head of the pad. For certain snare sounds, the tone changes naturally as you move the strike location from the center of the head toward the rim.
Rim shot	Strike the head and the rim together. This will give you a different sound (a rim tone) from head shots.
Cross stick	Strike the rim while placing your hand on the snare head.
Playing with brushes	You can use brushes to scrape the head (brush sweep). * For kits on which the snare brush sound is assigned, you can use the brush sweep technique when Brush Switch is "ON".

Change the nuance of the rim shot

With certain snare and tom sounds, the nuance of the sound changes when you slightly change how you play the rim shots.

Playing method	Explanation
Normal rim shot (Open rim shot)	Strike the center of the head and the rim at the same time.
Shallow rim shot	Strike the head near the rim and the rim itself at the same time.

* 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.