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Made in Japan

Important Notes

- Compatible only with the rear wheel hub width 130 & 135mm in 9mm Quick Release system, or 142 & 148mm in 12mm Thru Axle system. Any other sizes or systems cannot be used.
- Compatible with Shimano and SRAM 8s, 9s, 10s and 11s gears. Some Campagnolo gears are NOT be compatible. The sprocket gear does NOT come in the kit so you need to prepare it separately.
- You should shift the rear derailleur to the top before removing the rear wheel to make the set-up process easier.
- Place on flat and horizontal floor. Adjust all 3 feet correctly to set the bike vertical and level.
- Do not touch the spinning flywheel, belt or chain while training. This could cause serious injury or burns.
- Kagura DD weighs over 20 kgs. Only the flywheel weighs 10 kgs. Take caution when moving the trainer to avoid injury.
- Under high load training the belt might slip. If it does, it might need to be adjusted. Do NOT turn the Locking Bolt-A (see Fig. U and V) more than one (1) rotation. Doing so will lock the bolt.
- Kagura is a precisely manufactured electronic product. Misuse or abuse of the product may cause the unit to malfunction which will not be covered under the warranty.
 There are NO user serviceable parts on the Kagura DD. Disassembling the product in any way will immediately void any warranty.
- Make sure you assemble the quick release skewer or the thru axle correctly when installing the bike to the trainer. If it has been loosened, the bike may fall off while using.
- Be careful not to pinch your finger when retracting the Step-Bar.
- Make sure your Kagura-DD has the correct electric plug that fits your country's regulation. If not, replace the power cable (the AC-adapter itself is capable with 100V 240V) to the appropriate one that is sold separately as an option.
- Do not apply any water, moisture or dust to the sensitive unit. Even if you use this product indoor, please keep it in clean and dry condition.
- This product outputs radio signals. Do not use in the area where any wireless devices are restricted, or near the person who has sensitive device such as a pacemaker.
- To protect the floor or the carpet from stain and sweat during workout, we recommend you to put a sheet or specially designed mat under the trainer and bike.
- Do not use any other AC Adapter supplied from third parties. Using wrong adapter could cause unexpected trouble on the Kagura unit such as burning or melting.

If you experience a strange noise or smell, stop using Kagura-DD immediately and contact the retailer where you purchased this product. Do not try to disassemble the unit to repair without prior approval from Minoura.

Any warranty will be void if you use Kagura-DD for any other purpose than instructed.
Minoura offers 1-year limited warranty on this product from the date of your purchase for any problem caused by manufacturer's defect.

Any damage or problem cause by transporting process or user's misuse, also the natural wear will not be covered under warranty.

Read the enclosed "Minoura Limited Warranty Policy" card for more details.

For the latest information, refer Minoura web site (http://www.minoura.jp/english/) regulary.

LSD9200 Contents



How To Install Step-Bar



Install the Step-Bar to the Body. (Fig. A)

Put the Knob Bolt (Large) with the Round Collar into the plain hole on the Step-Bar, and screw it into the thread hole on the Body.



1

The direction of the Step-Bar is specified. You cannot install it in the wrong direction.



The Round Collar works to spread the pressure from the bolt in order to avoid deforming the tube even if the bolt has been overtightened.



You may find that the knob bolt spins freely and cannot be tightened further. This is by functional design. You can retighten by pushing knob bolt towards the thread hole.

- **2** Put the Knob Bolt (Small) with the Round Collar into the thread hole on the Step-Bar through the small hole on the Body.
- **3** To retract the Step-Bar for storing compactly, remove the smaller Knob Bolt (Fig. B), loosen the larger Knob Bolt until it spins freely, and pull the Step-Bar (Fig. C).



Turn the Step-Bar 90 degrees, set it in the groove on the bracket, and tighten the larger Knob Bolt to hold. (Fig. D)

The smaller Knob Bolt can be stored in the thread hole on the Step-Bar. Now the Kagura-DD is ready to be stored in the narrow area such as under the bed.



How To Replace To 12mm Thru Axle

The original hub on your Kagura-DD is preset for the standard 9mm Q/R.

If your bike is equipped with 12mm thru axle system, you must replace the right side hub end with the supplied special plug. (Fig. H)



How To Remove Sprocket Gear

To remove the sprocket gear, you need a special tool called a Sprocket Remover together with the Lock Ring Tool.

Set the chain of the Sprocket Remover to the largest gear on the sprocket.

It means that turning the Lock Ring counterclockwise will move the sprocket gear together in the same direction, so you need to hold it by this tool.

Fully insert the Lock Ring Tool into the Lock Ring, and apply the wrench to the tool.

Push both tools down at the same time and the gear will loosen.

9mm Quick Release Skewer System

Installing 9mm Q/R Skewer

Insert the supplied Leftside End Plug for 9mm Q/R to the left end of the hub first. (Fig. N) Disassemble the skewer. Put an Acorn Nut (be aware of the direction) on the shaft, and insert it through the hub from left side. (Fig. M)

Put another Acorn Nut on the shaft coming from the hub, and screw the nut.

About Direction of Leftside End Plug

Compatible with the rear end width in 130mm and 135mm only.

Change the direction

of the Leftside End

Plug to the hub as

shown in Fig. N.



(How To Mount a Bike on Your Kagura-DD)

- Fully open the Quick Release Skewer lever.
- **2** In order to make mounting the bike easier, set the rear derailleur to the top.
- **3** As same as installing the rear wheel onto the bike, hook the chain on the top gear, then set the bike frame on Kagura-DD gently. (Fig. O)
- Make sure the bike frame has been set stable and vertical, close the skewer lever to hold. Adjust the skewer nut tightening correctly before closing the lever for your safety if necessary. (Fig. P)

This instruction manual doesn't describe you how to use the quick release skewer. If you are not clear about this step, please seek advice of a trained bicycle mechanic to instruct you. (Fig. O)

(Fig. P)



(About The Direction of The Leftside End Plug)



How To Install 12mm Thru Axle and How To Mount Your Bike

- Insert the supplied Leftside End Plug for 12mm Thru Axle into the left side of the hub. (Fig. Q) Make sure the other side end plug has been replaced with the supplied Rightside End Plug for 12mm Thru Axle. (Fig. H)
 - Hold the bike frame just above Kagura-DD and keep this position.
 - Put the axle shaft into the hole on the left side of the bike frame end, slowly get the frame down to align to the hub hole, and put the axle into the hub hole. Now the bike position has been fixed.
- Screw the axle to the right side thread hole. If your bike is equipped with a quick release type axle, adjust tightening and close the lever to hold securely.

Setting Foot Adjusters

Adjust all three foot adjusters under the body and stepbar to insure that the Kagura DD is stable and that your bike is vertical. (Fig. R)

The foot adjusters can be used to help level the bike, especially with larger 29" MTB wheels, by fully extending all three adjusters.

Turn the foot to adjust the length, and tighten the lock nut toward the body or the step-bar to ifx.





3

Use the lock nut correctly to keep your Kagura-DD stable.

Turning Power On and Checking Status

Insert the round shape Power Plug to the connecting port on Kagura-DD, and plug in to the electric outlet, then the power will turn ON automatically. (Fig. S)

To turn off the power, simply pull out the plug.

Be careful to keep the cord away from anything it can become snagged or caught on. Putting pressure on the cord can pull the internal circuit board out of position and cause the unit to malfunction.



Connect the supplied AC adapter only. Do not use any other AC adapter supplied from third parties. It will void any warranty. Minoura will NOT be responsible for any trouble caused by using wrong devices.

LED Patterns & Meanings

There are three (3) LED lights on top of the body and they glow in 4 different colors. (Fig. T) Depending on the color, it corresponds with what is happening on your Kagura-DD.

(Fig. S)

Connecting Port

AC Adapter

Power Plug

Power Cord



LED 3 Yellow, Blinking





For ANT+ wireless connection, you must plug-in the ANT+ Reciever (supplied) to the USB cable (supplied) then connect to your PC. Bluetooth wireless connection is available only when your PC has its function.



Refer each application to know how to use or pair it with Kagura-DD. Minoura is not a software developer and not responsible for each application.



Depending on the firmware version, it may differ what each LED color means. It's your responsibility to update your firmware to be the latest version when using Kagura-DD.

If Your Unit Doesn't Work

The first step in trouble shooting your unit is to make sure you are using the most current version of our firmware. Update your firmware by going to the link posted above.

To access firmware updates, you must be registered to Minoura as an official user.



Too much belt tension will lead to premature wear and could cause other issues. Be careful not to over-tighten the belt.

Tighten both Locking Bolt A and B firmly and set the Side Cover.

Checking Your Serial Number There are two locations you can see the serial number of Kagura-DD. (see Fig. W) Presenting your serial number is necessary () O To when registering yourself as the official user or when you need repair service. [What Your Serial Number Says] MINOURA DD SMART. C7EC On the circuit board 2018. LSD9200. 510180 shown in the top slit The 4 letter combination (shown as "C7EC" in this example) is your own serial number. (Fig. W) Inner face of the bracket Step-Bar is installed **About Firmware**

Install "nRF-Toolbox" to your iOS or Android device in order to update the firmware to the latest version automatically.

NORDIC, the supplier of this software, announces that there are still some Android devices which cannot use this "nRF" application properly. If you cannot update the firmware correctly, please contact "register@minoura.jp".

About ANT+ Reciever

This kit contains an ANT+ Receiver and a USB cable.

When you need to connect your PC and Kagura-DD in ANT+ wireless, plug-in them to your PC and try to make pairing with Kagura-DD.



This reciever is for ANT+ wireless ONLY. Not compatible with Bluetooth wireless.



Use the supplied USB cable only. Minoura doesn't guarantee the performance if you use different cable.



This reciever is for PC only. Not workable with any smart-phone or tablet devices.

How To Use

- 1. Connect the ANT+ Receiver to the supplied USB cable.
- 2. Connect the USB cable to your PC. Place the reciever as close to the Kagura-DD as possible. Within 30cm is optimal. Be careful that the cable is not caught in the rotating crank or wheel.
- 3. Wait for a while until PC recognizes the Kagura-DD.
- 4. Check that the LEDs flash properly as described in page-10.
- 5. Now your unit is ready to use.