



KLEMENTZ

ELECTRONICS & AUDIO EQUIPMENTZ

NJD RACK
- USER MANUAL -

CONTENT

- SAFETY INSTRUCTIONS2**
- CHECK LIST2**
- QUICK START3**
- OVERVIEWS4**
 - FRONT PANEL OVERVIEW4
 - BACK PANEL OVERVIEW4
- CONTROLS & USE.....5**
 - FRONT PANEL.....5
 - BACK PANEL6
- TYPICAL WIRING7**
 - DIRECT WIRING7
 - THRU FX PROCESSOR.....8
- TECHNICAL SPECIFICATIONS.....9**



SAFETY INSTRUCTIONS

1. Read these instructions.
2. Carefully keep these instructions.
3. Respect the warnings.
4. Follow all these instructions.
5. Do not use near a water source.
6. Clean only with a dry and clean cloth.
7. Don't place near a heat source, that is near any equipment that produces heat.
8. Don't use another Power Supply than the one that is provided with the purchase.
9. In case of lost or damage of the Power Supply, contact KLEMENTZ before using a new power supply.
10. Make sure that the Power Supply block is not getting trampled, neither on the transformer part, nor on the cable or connector part.
11. Unplug this equipment during a thunderstorm or as soon as you have finished using it.
12. Please directly contact KLEMENTZ for any After Sale service. This is mandatory in case the equipment is damaged : if the cable, the Power Supply or connectors of the equipment are damaged, if liquid has been knocked over it or if objects have fallen on it, if it has been exposed to rain or humidity, if it does not work correctly or if it has fallen.
13. Do not let the power supply block plugged in a socket when the equipment is not in use. The power supply bloc is always powered even if the power switch of the unit is in OFF position. To completely disconnect the machine, remove the power supply block from the mains plug.
14. In any setup case, leave a sufficient space for the equipment to cool properly. You can arrange other equipment on the top and/or on the bottom of the unit, but some (like amplifiers) may cause a buzz or generate too much heat, it may cause damage your equipment or degrade its performances.
15. In order to evaluate any risk of fire or electric chock, keep this equipment away from any source of humidity and splash of any type. The equipment must also be kept away from any object filled with liquid (bottled drinks, vase, ...)

CHECK LIST

First of all, thank you from all the KLEMENTZ team for buying this NJD RACK.

These items are included in the box:

- 1 x NJD RACK
- 1 x POWER SUPPLY (12VDC)

QUICK START

For a correct use of your NJD RACK, please read the instructions below:

1. This NJD RACK must be plugged into a LINE input of your mixer or preamp. An effect processor can be plugged between your NJD RACK and the LINE input of your mixer, only if the input of your effect processor is also a LINE type input. In any case, do not plug your NJD RACK in a Microphone input or it may damage it. Please see the « *Typical wiring* » section for a more detailed description of the possible wirings.
2. In you use the NJD RACK with a DJ mixer, a [MONO JACK 6.35mm] to [2 x RCA (Cinch)] is necessary.



NOTE

On the cable described above, the 6.35mm JACK must be MONO. If it is STEREO, the sound will be transmitted only on the left channel of your sound system.

3. Before powering the NJD RACK, ensure that the Volume potentiometer is at the minimum position. Put your NJD RACK on, activate the trigger and progressively increase the volume until you have a sound.
4. Only use the provided power supply block.

OVERVIEWS

FRONT PANEL OVERVIEW

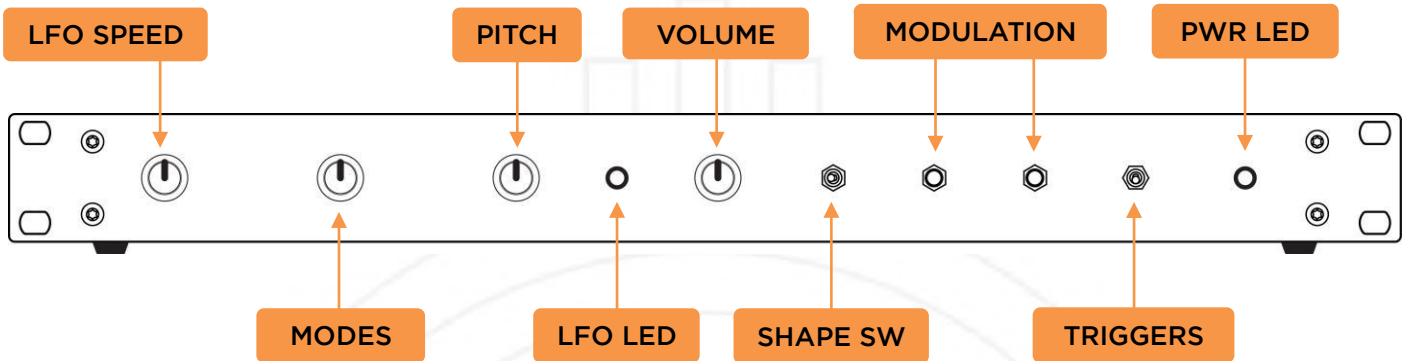


BACK PANEL OVERVIEW



CONTROLS & USE

FRONT PANEL



The table below explains the features of the controls above.

FUNCTIONS	USAGE
LFO SPEED	<p>4-Positions rotary switch allowing setting the oscillation speed of the LFO.</p> <ul style="list-style-type: none"> In position 1 (fully anti-clockwise), the oscillation speed will be lowest and so the modulation will be slow. In position 2, the speed will be faster than in position 1. In position 3, the speed will be faster than in position 2. In the last position (fully clockwise), said “manual position”, the LFO will stop oscillating. You can then use the two push buttons labeled “Modulation” to manually modulate the pitch.
MODES	<p>4-Positions Rotary switch allowing choosing between 4 types of different sounds.</p>
PITCH	<p>Rotary potentiometer allowing to set the base pitch of the signal :</p> <ul style="list-style-type: none"> Set at the minimum position, the base sound pitch will be low. Set at the maximum (fully clockwise), the base sound pitch will be high.
LFO LED	<p>Light indicating the oscillation speed of the LFO</p>
VOLUME	<p>Rotary potentiometer allowing the setting of the output volume.</p>
MODULATION	<p>These push buttons will allow you to manually modulate the sound pitch when used with the “LFO SPEED” in 4th (“Manual”) position.</p>
SHAPE SW	<p>2-position switch allowing setting the base waveform of the NJD.</p>
TRIGGERS	<p>Push-Button and Switch triggering the output of the sound.</p>

BACK PANEL



The table below explains the functions of the connectors presented above.

FUNCTIONS	USAGE
AUDIO OUTPUT	6.35mm MONO JACK type unbalanced output connector (check the « Typical Wiring » section below).
DC JACK INPUT	DC JACK type power supply connector, with the following characteristics : <ul style="list-style-type: none"> • Centre positive • Barrel type connector 2.5 x 5.5mm

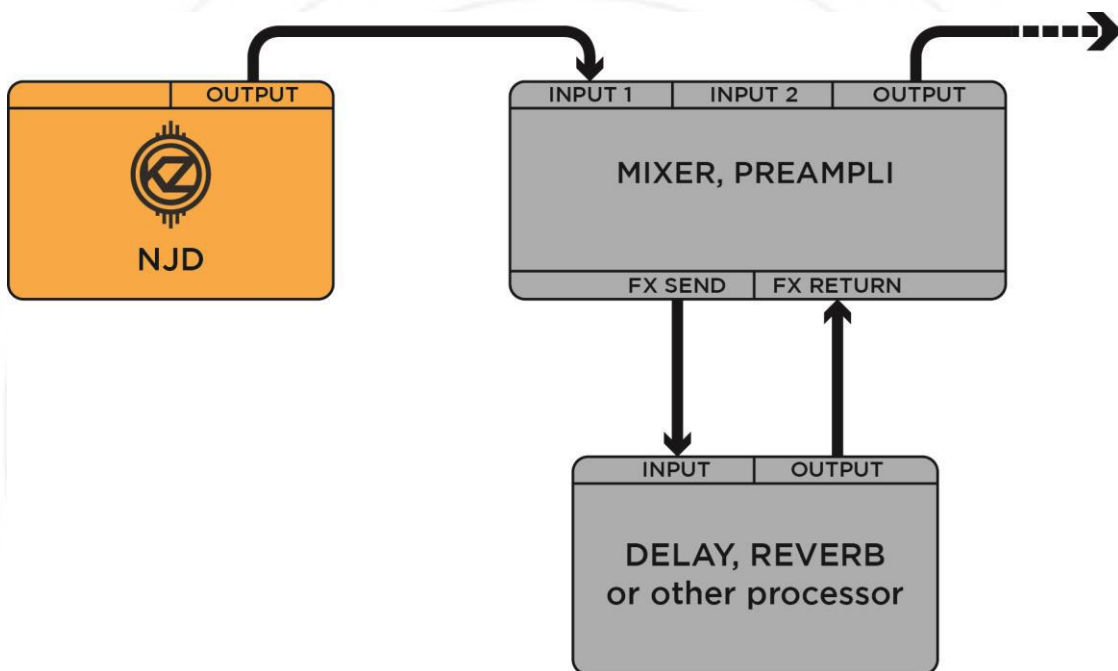
TYPICAL WIRING

DIRECT WIRING

The simplest connection is the « Serial » one, meaning that the output of the NJD is directly inserted into a LINE input of the mixer or preamplifier.

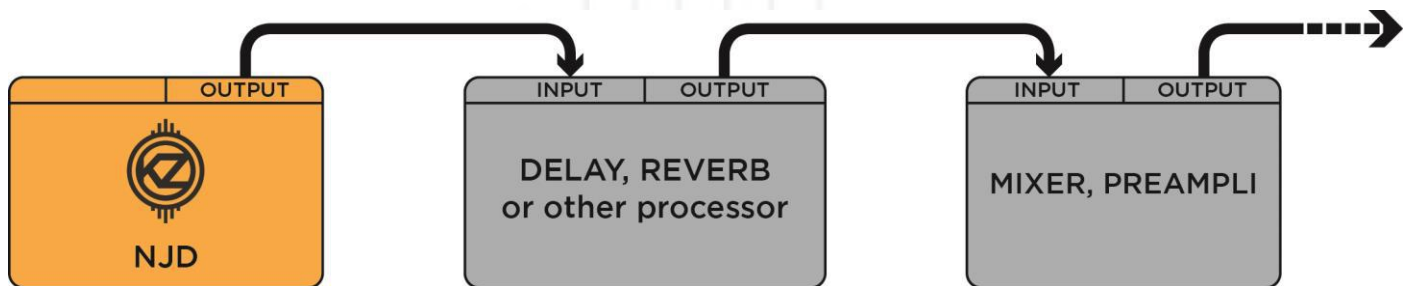
This configuration is the simplest. To apply an effect on the NJD, your mixer or preamplifier will need to have the effect send and return functionality.

The diagram of this example is presented below:



THRU FX PROCESSOR

The use of the dub siren (the NJD RACK is one) is often coupled with an effect processor (for example Echo or Reverb). If your mixer or preamplifier does not have send/return functionality or if you prefer to keep this effect loop for another use, it is possible to plug the output of your NJD RACK in the input of an effect processor (DUB DELAY for example). The output of the effect processor will be plugged into a LINE input of your mixer or preamplifier. The below diagram shows this wiring type:



NOTE

Some effect processors are made to be used with an instrument (a guitar for example) or a microphone. Before plugging your NJD RACK on your processor, check that the input of your processor is a LINE type. The output level of your NJD RACK being relatively high, it can damage the input of your effect processor.

TECHNICAL SPECIFICATIONS

POWER SUPPLY	12 VDC, Center positive, 2.5 x 5.5mm barrel type connector
CURRENT DRAW	Less than 200mA
AUDIO OUTPUT	1/4" unbalanced MONO Jack
SIZE	483 x 198 x 47,3 mm



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Made in France

