



**KLEMENTZ**

ELECTRONICS & AUDIO EQUIPMENTZ

**DUB DELAY BOX**

**- USER MANUAL -**

## CONTENT

<b>SAFETY INSTRUCTIONS .....</b>	<b>2</b>
<b>CHECK LIST .....</b>	<b>2</b>
<b>QUICK START .....</b>	<b>3</b>
<b>OVERVIEWS .....</b>	<b>4</b>
FRONT PANEL OVERVIEW .....	4
BACK PANEL OVERVIEW .....	4
<b>CONTROLS &amp; USE.....</b>	<b>5</b>
FRONT PANEL.....	5
BACK PANEL .....	6
<b>TYPICAL WIRING .....</b>	<b>7</b>
INSERT MODE .....	7
EFFECT SEND/RETURN MODE.....	8
<b>TECHNICAL SPECIFICATIONS.....</b>	<b>9</b>

## SAFETY INSTRUCTIONS

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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

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First of all, thank you from all the KLEMENTZ team for buying this DUB DELAY.

These items are included in the box:

- 1 x DUB DELAY BOX
- 1 x POWER SUPPLY (12VDC)

## QUICK START

For a correct use of your DUB DELAY, please read the instructions below:

1. This DUB DELAY must be plugged into a LINE input of your mixer or preamp. An effect processor can be plugged between your DUB DELAY 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 DUB DELAY 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 DUB DELAY 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 DUB DELAY, ensure that the Volume potentiometer is at the minimum position. Put your DUB DELAY on, activate the trigger and progressively increase the volume until you have a sound.
4. Only use the provided power supply block.

## OVERVIEWS

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### FRONT PANEL OVERVIEW

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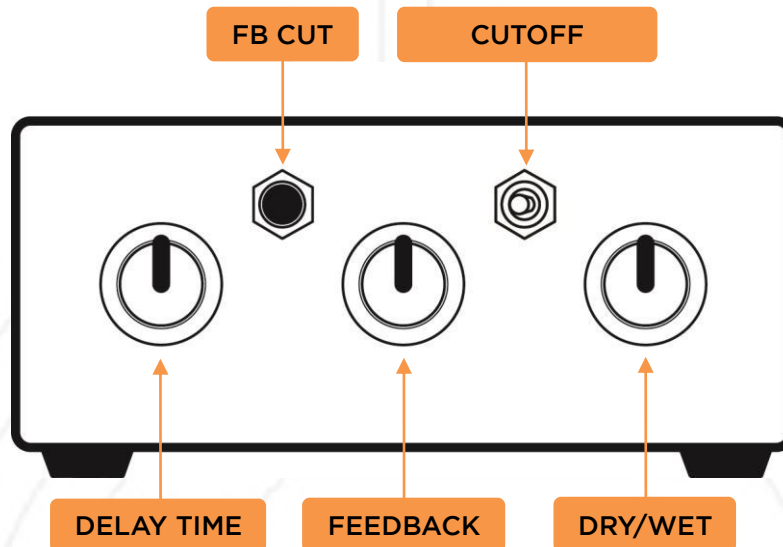
### BACK PANEL OVERVIEW

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## CONTROLS & USE

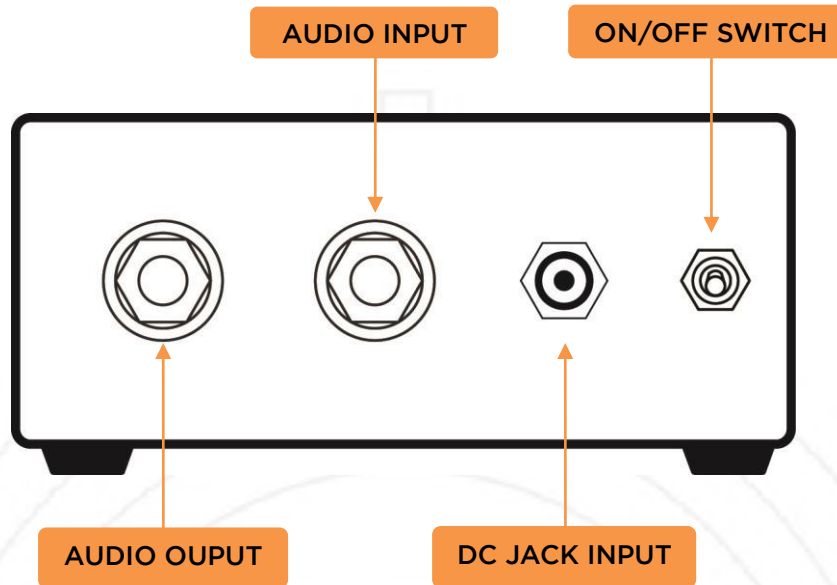
### FRONT PANEL



The table below explains the features of the controls above.

FUNCTIONS	USAGE
DELAY TIME	<p>Rotary potentiometer allowing setting the time between two repeats.</p> <ul style="list-style-type: none"> <li>• When in minimum setting (fully anti-clockwise), the time between two repeats will be very short and thus the repeat time will be fast.</li> <li>• If it is at the maximum, the repeat time will be long and thus repeat speed will be slow.</li> </ul>
FEEDBACK	<p>Rotary potentiometer allowing setting the gain between each repeat.</p> <ul style="list-style-type: none"> <li>• When set at minimum (full anti-clockwise), there will be only one repeat.</li> <li>• When set at the maximum, the level will increase at each repeat.</li> </ul>
DRY/WET	<p>Rotary potentiometer allowing mixing between the effect (WET) and the original signal (DRY) that will be outputted.</p> <ul style="list-style-type: none"> <li>• If it is at the minimum (fully anti-clockwise), only the original signal (DRY) will be outputted (on the AUDIO OUTPUT)</li> <li>• If set at maximum position, only the effected signal (WET) will be outputted.</li> <li>• Between these two positions, a mix between DRY and WET will be on the output of the machine.</li> </ul>
FB CUT	<p>Push button allowing cutting the feedback loop.</p> <ul style="list-style-type: none"> <li>• A short press on this button will insert a blank in the feedback loop.</li> <li>• A long press will completely clear the feedback loop.</li> </ul>
CUTOFF FILTER	<p>This switch is used to set the cutoff frequency of the filter affecting each repeat.</p>

## BACK PANEL



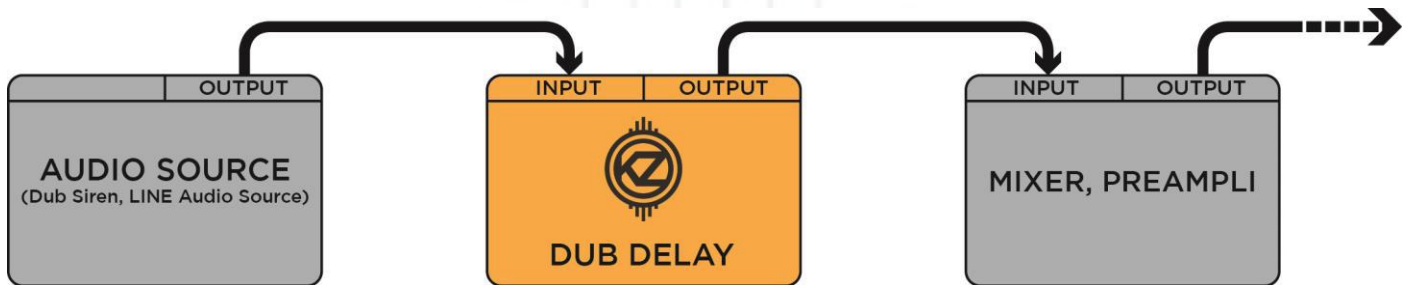
The table below explains the features of the connectors shown above.

FUNCTIONS	USAGE
AUDIO OUTPUT	6.35mm MONO JACK type unbalanced output connector (check the « Typical Wiring » section below).
AUDIO INPUT	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"> <li>• Centre positive</li> <li>• Barrel type connector 2.5 x 5.5mm</li> </ul>
ON/OFF SWITCH	Power On / Off switch. <ul style="list-style-type: none"> <li>• When set in high position, the machine is not working (OFF)</li> <li>• When set in low position, the machine is powered (ON)</li> </ul>

## TYPICAL WIRING

### INSERT MODE

The simplest connection is the « Serial » one, meaning that the effect is inserted between the source and the target. This example is drawn below:



This setup is the simplest, but does not allow using the effect on multiple sources in the same time.

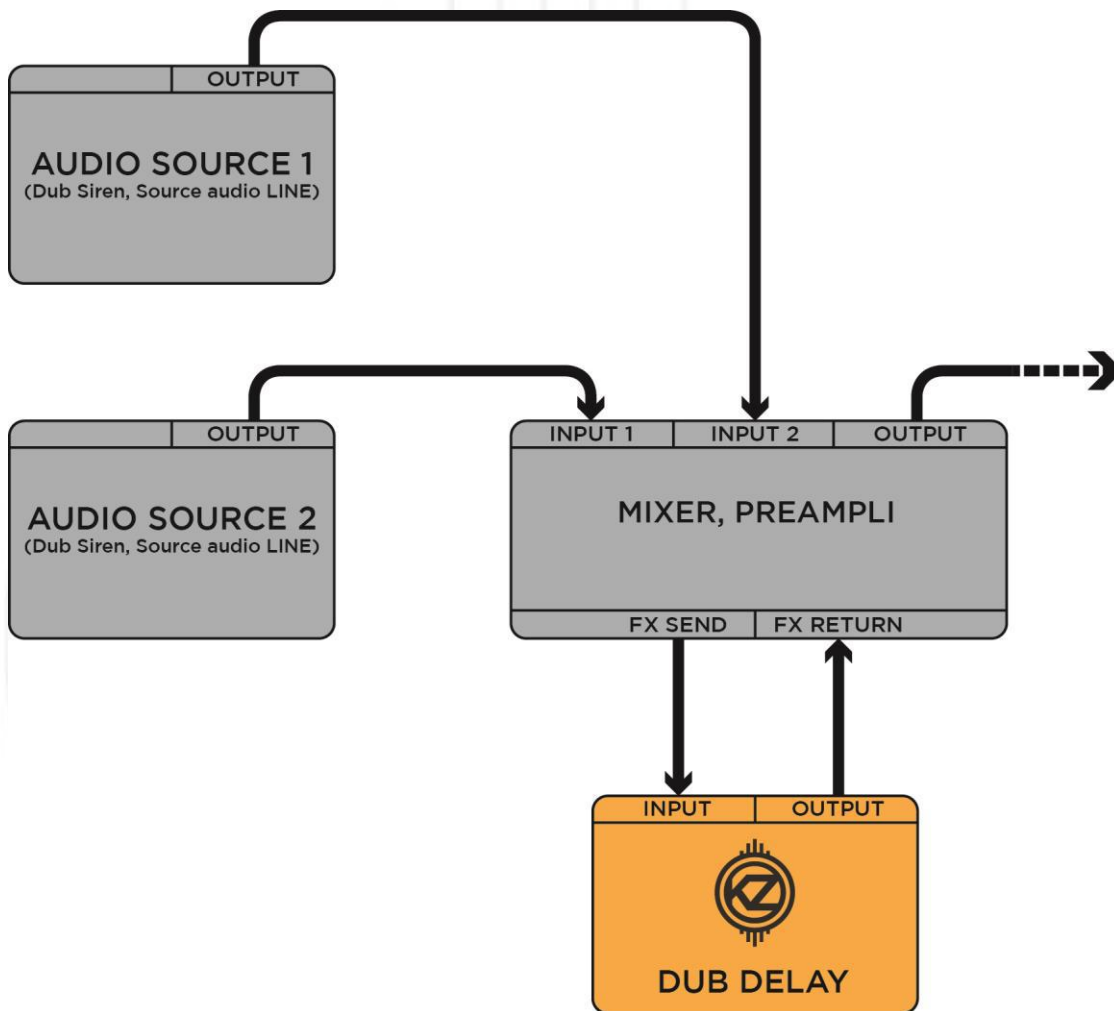
The “Dry/Wet” setting will allow, in this setup, to set the level of the effect and the level of the source signal. At the maximum position (fully clockwise), the setting will be on “Wet” and then the source signal will not be outputted anymore, on the contrary, in the “Dry” position, there will only be the original source signal outputted, without effect.



## EFFECT SEND/RETURN MODE

The effect loop wiring has the advantage of allowing the DUB DELAY to be used with multiple sources. In this way, effect can be added on multiple sources without having as many effect units as the number of sources you have. Only one effect unit can be used on multiple sources.

However, it is necessary to have a mixing equipment that has the Effect Loop feature (Effect Send [output] and Effect Return [input]). The wiring diagram for a such setup is presented below :



In this way, all the sources are mixed and managed directly by the mixing tool. It is the mixing equipment that sends more or less of each source into the input of the effect by its “Effect Send” output. It is then necessary to have a mixing desk have this feature to use it in such setup.

### NOTE

In this setup, the “Dry/Wet” setting must be set at the maximum (fully clockwise), that is in the “Wet” position. Indeed the original signal must not be send into the mixing equipment because it is already proceeding to the mix of the original sources signal on its “Master” way. Thus, the signal that is outputted from the effect should only contain the effect signal **WITHOUT** the original signal.

## TECHNICAL SPECIFICATIONS

POWER SUPPLY	12 VDC, Center positive, 2.5 x 5.5mm barrel type connector
CURRENT DRAW	Less than 200mA
AUDIO INPUT	1/4" unbalanced MONO Jack
AUDIO OUPUT	1/4" unbalanced MONO Jack
SIZE	127 x 106 x 47mm



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*Made in France*

