



KLEMENTZ

ELECTRONICS & AUDIO EQUIPMENTZ

SYNARE BOX

- USER MANUAL -



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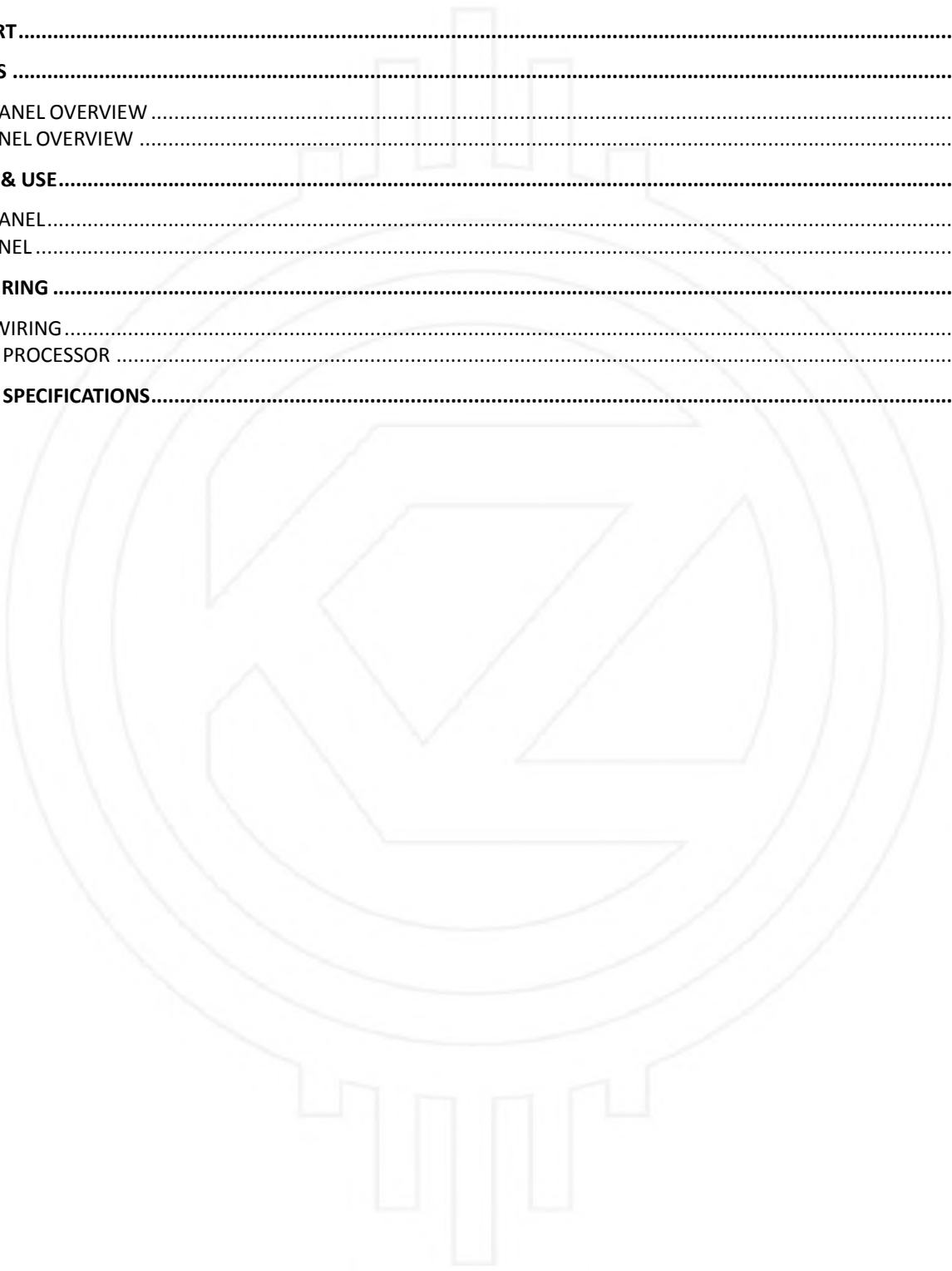
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SAFETY INSTRUCTIONS

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 SYNARE.

These items are included in the box:

- 1 x SYNARE BOX
- 1 x POWER SUPPLY (12VDC)

QUICK START

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

1. This SYNARE must be plugged into a LINE input of your mixer or preamp. An effect processor can be plugged between your SYNARE 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 SYNARE 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 SYNARE 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 SYNARE, ensure that the Volume potentiometer is at the minimum position. Put your SYNARE 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

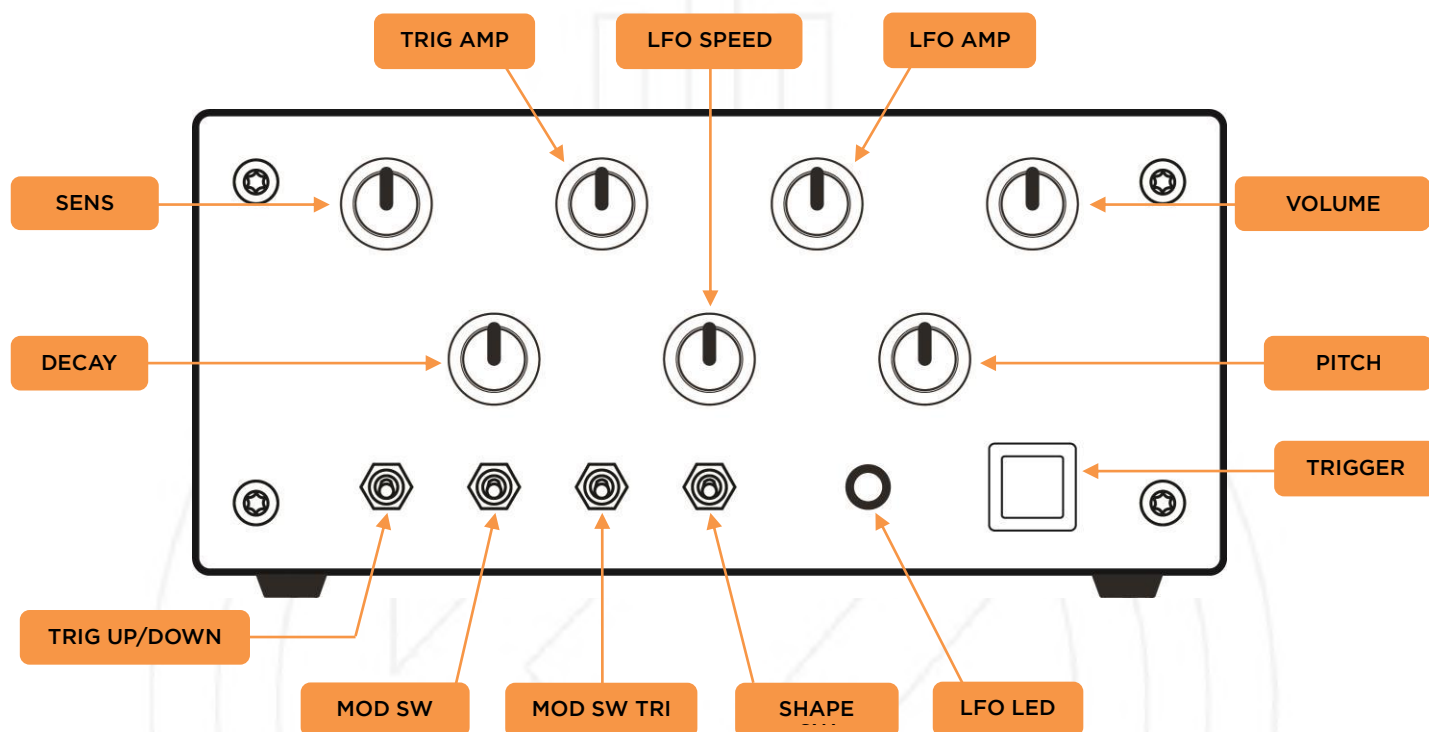


BACK PANEL OVERVIEW



CONTROLS & USE

FRONT PANEL

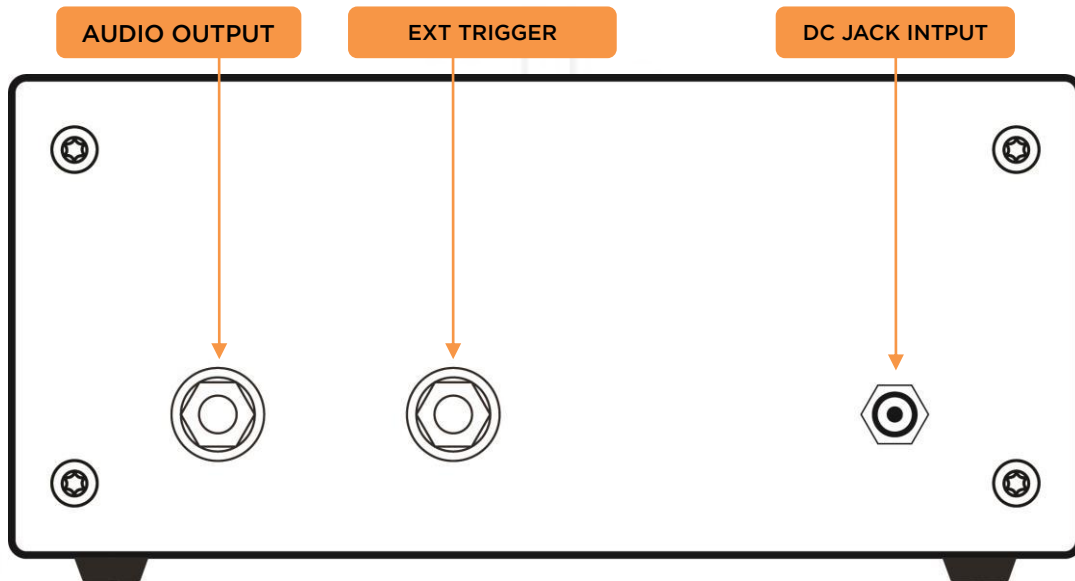


The table below explains the features of the controls above.

FUNCTIONS	USAGE
SENS	<p>Setting of the sensivity of the external trigger (the external trigger is sold separately).</p> <ul style="list-style-type: none"> • If it is at the minimum (fully anti-clockwise), the sensivity will be null, the external trigger will not trigger the SYNARE. • If it is at the maximum, the sensivity will be maximum.
DECAY	<p>This potentiometer controls the duration before the sound stops.</p> <ul style="list-style-type: none"> • At the minimum (fully anti-clockwise), the duration will be very slow, the sound will stop nearly instantly. • If it is at the maximum, the duration before the sound stops will longer.
TRIG AMP	<p>This potentiometer is controlling the amount of pitch modification by the trigger.</p>
TRIG UP/DOWN	<p>2-position switch allowing to choose the way the trigger affects the pitch modification (from low to high [rising] or from high to low [falling]).</p>

LFO SPEED	<p>Rotary potentiometer allowing setting the oscillation speed of the LFO.</p> <ul style="list-style-type: none">• If it is at the minimum (fully anticlockwise) the oscillation speed will be low and the modulation will be slower.• If it is at the maximum, the oscillation speed will be fast and the modulation will be fast as well.
LFO LED	Light indicating the oscillation speed of the LFO
LFO AMP	Rotary potentiometer allowing to set the amplitude of the pitch modulation by the LFO.
MOD SW	<p>2-positions switch selecting the base waveform of the LFO :</p> <ul style="list-style-type: none">• In the left position, the waveform will be square (« SQR »)• In the right position, the waveform will be triangle (« TRI »)
MOD SW TRI	<p>This 3-position switch is only active when the « MODULATION SW » is in the «TRI » position. It is used to select between 3 waveforms derived from the triangle one (« TRI ») :</p> <ul style="list-style-type: none">• In middle position, Triangle Waveform• In high position, rising sawtooth waveform• In low position, falling sawtooth waveform
PITCH	<p>Rotary potentiometer allowing to set the pitch of the sound :</p> <ul style="list-style-type: none">• If it is at the minimum (fully anticlockwise), the pitch of the sound is low.• If it is at the maximum, the pitch of the signal is high.
SHAPE SW	2-position switch allowing setting the base waveform of the SYNARE.
VOLUME	Rotary potentiometer allowing to set the output volume of the SYNARE
TRIGGER	Push button that triggers the sound output of the SYNARE.

BACK PANEL



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

FUNCTIONS	USAGE
EXT TRIGGER INPUT	Input Connector to plug an external trigger.
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

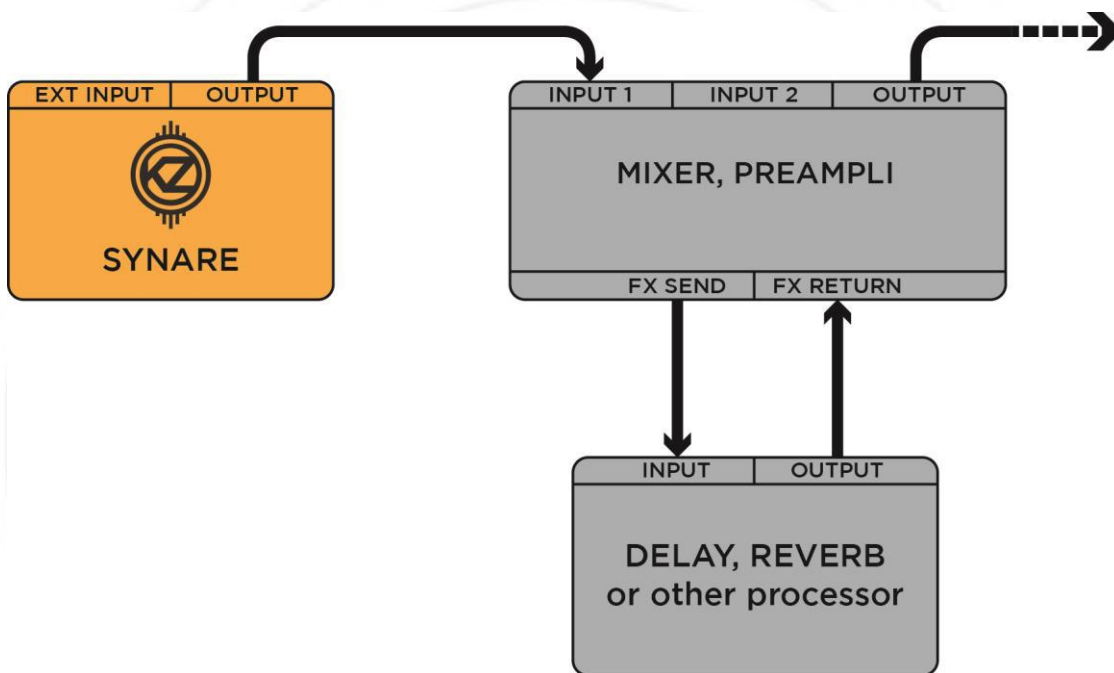
TYPICAL WIRING

DIRECT WIRING

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

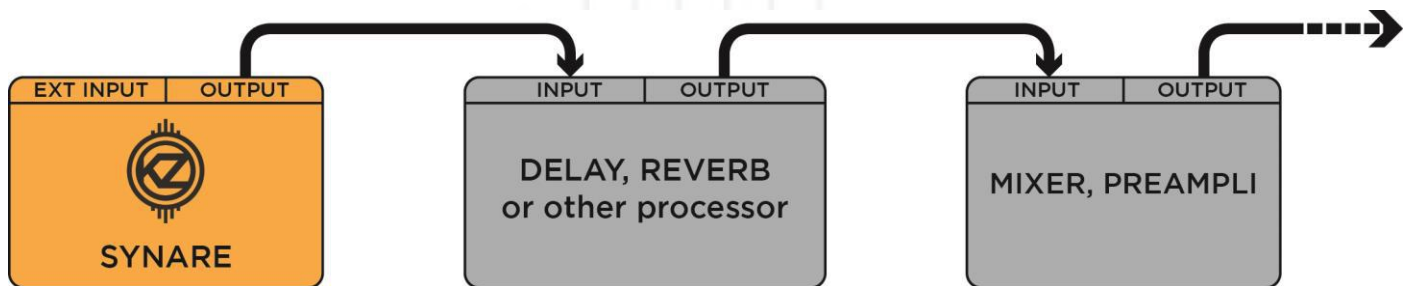
This configuration is the simplest. To apply an effect on the SYNARE, your mixer or preamplifier will need to have the effect send and return functionality.

The diagram of this example is presented below:



THRU FX PROCESSOR

The use of the dub siren (the SYNARE 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 SYNARE 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 SYNARE on your processor, check that the input of your processor is a LINE type. The output level of your SYNARE 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	166 x 186 x 85,9 mm



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