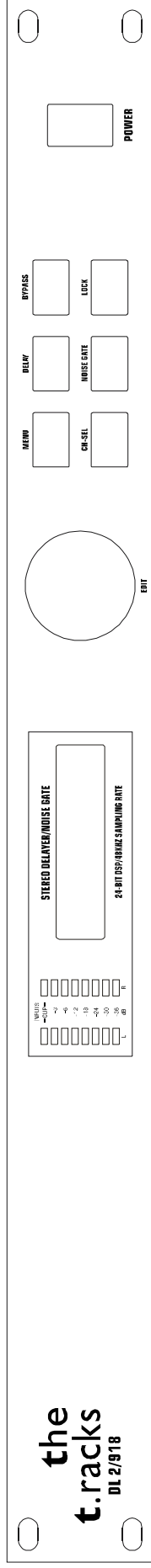
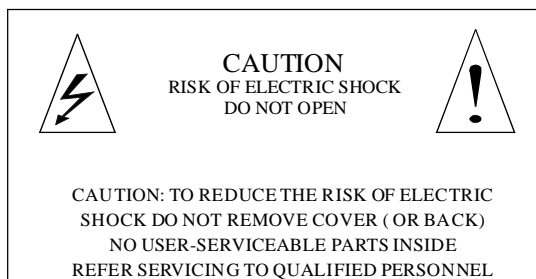


# the t.racks

24-BIT STEREO DELAYER/NOISE GATE MODEL DL 2/918



## Instruction Manual



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure, that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instruction in the literature accompanying the appliance.

## IMPORTANT SAFETY INSTRUCTION

Please see below basic protection proceeding before using:

1. Please read all the safety instruction before using the product.
2. This product must be earthed. If it should be malfunction or break down, grounding provides a path of least resistance for electric current to reduce risk of electric shock.

This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and earthed in accordance with all local codes and ordinance.

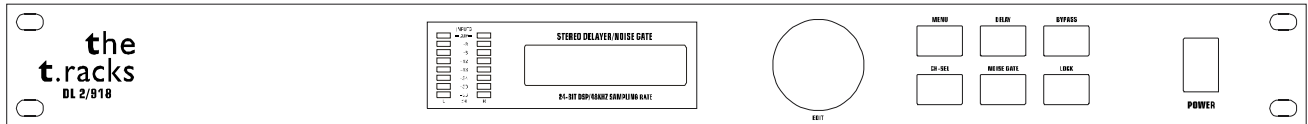
**DANGER-** Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

3. To reduce the risk of injury, close supervision is necessary when the product is used near children.
4. Do not use this product near water-for example, near a bathtub, washbowl, kitchen sink, in wet basement or near a swimming pool or the lake.
5. This product may be capable of producing sound levels that cloud cause permanent hearing loss. Do not operate for a long period of time at high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
6. This product should be located so that its location or position does not interfere with its proper ventilation.
7. This product should be located away from heat sources such as radiators, heat registers or other products that produce heat.
8. The product should be connected to a power supply only of the type described on the operation instructions or as marked on the product.
9. This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.
10. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power-supply cord, do not pull on the cord, but grasp it by the plug.
11. Care should be taken so that object do not fall and liquid are not spilled into the enclosure through opening.
12. The product should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged; or
  - B. Objects have been fallen, or liquid has been spilled into the product; or
  - C. The product has been exposed to rain; or
  - D. The product does not appear to operate normally or exhibits a marked change in performance; or
  - E. The product has been dropped or the enclosure damaged..
13. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

14 **WARNING-** Do not place objects on the product's power cord or place it in a position where anyone could trip over, walk on or roll anything over it. Do not allow the product to rest on or to be installed over power cords of any type. Improper installations of this type create the possibility of fire hazard and/or personal injury.

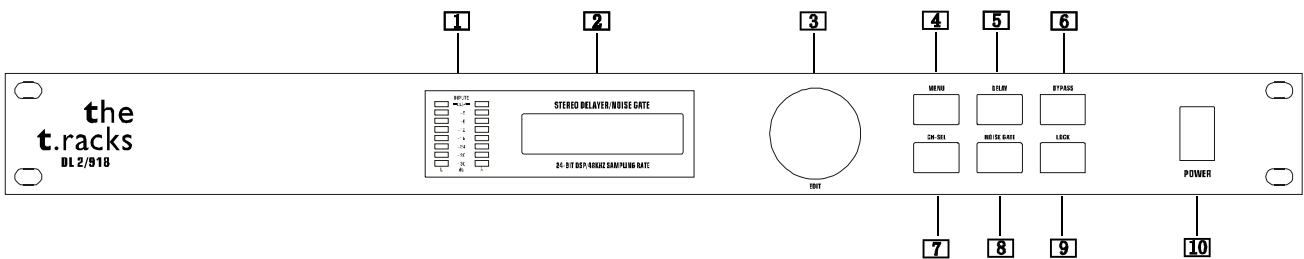
## SAVE THESE INSTRUCTIONS

# the t.racks model DL2/918



- ◆ 24-bit,  $\Sigma$ - $\Delta$  AD/DA, 48kHz sampling rate
- ◆ Stereo processor, delay, limit, noise gate independent channel control
- ◆ Maximal delay 2.7s/per channel (delay units representable in milliseconds, meters, feet).
- ◆ Delay adjust step: 1ms and 100ms selectable
- ◆ Noise gate: -66dB~-24dB, available for different work environments.
- ◆ Switch power supply: 90V~250V, 50/60Hz

## FRONT PANEL



1, INPUT LED input level meter for Right/Left Channel

2, LCD: 16x2 characters LCD with backlit to display functions and operating status.

3, JOG-WHEEL: select the submenu and adjust the parameters value.

4, MENU: select the delay units and delay adjust step

5, DELAY: Delay operating button

6, BYPASS: Enable or disable the delay function

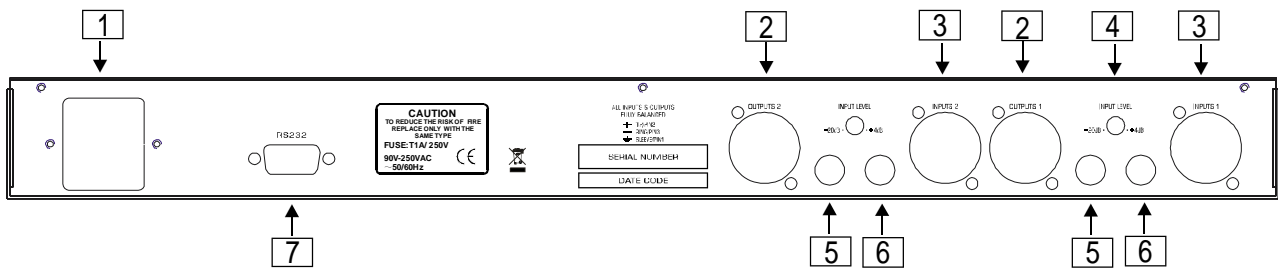
7, CH-SEL: To select the channel/ control MIDI function

8, NOISE GATE

9, LOCK

10, POWER SWITCH: Be sure to power-up before your amplifier is turned on to avoid loud transients which could damage your speakers or annoy your audience.

## REAR PANEL



1, AC RECEPTACLE: Plug the power cord in here

2, XLR ANALOG OUTPUT-SOCKET

3, XLR ANALOG INPUT-SOCKET

4, INPUT LEVEL ADJUST

5, TRS ANALOG OUTPUT-SOCKET

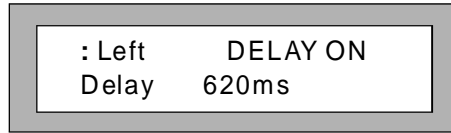
6, TRS ANALOG INPUT-SOCKET

7, RS232: RESERVED, NOT AVAILABLE FOR USERS

Please note each group of XLR and TRS socket is parallel connected.

## OPERATION

1, Default LCD open display as fig.1. In the upper area, the display shows the channel Left will be adjusted and delay function is on. Below, the delay time is displayed. Turn jog-wheel directly to adjust delay time.

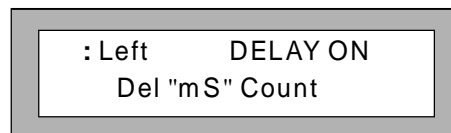


*Fig.1*

2, Press menu button, the display as fig.2. Turn jog-wheel to select submenus as follows,

→ Delay unit count

→ Delay coarse/fine tune



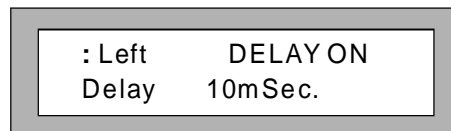
*Fig.2*

Press menu button again to confirm the selected submenu, then turn jog-wheel to adjust the values.

Delay unit count select: millisecond, meter and foot;

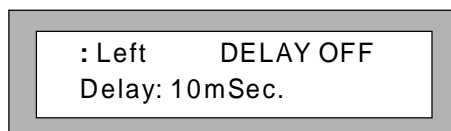
Delay coarse/fine tune step select: 1ms and 100ms.

3, Press the delay button to go to delay time adjust page from elsewhere, then turn the jog-wheel to adjust the desired delay time as fig.3.



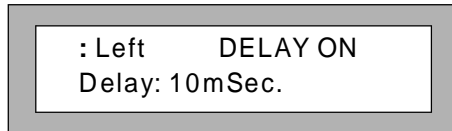
*Fig.3*

4, Press the bypass button to shut off the delay function, the display shows " DELAY OFF " as fig.4.



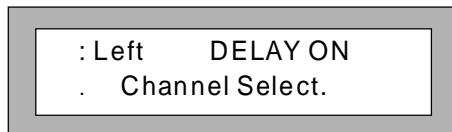
*Fig.4*

Press the bypass button again, restore the delay function, the display show " DELAY ON " as fig.5.



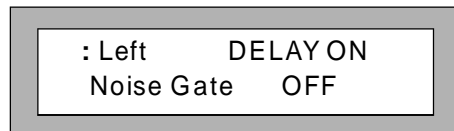
**Fig.5**

5, Press the CH-SEL button, the display shows as fig.6, you can adjust the desired channel via the jog-wheel. Three options are available: Left, Right and Channel-link.



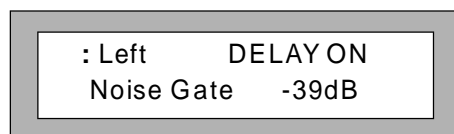
**Fig.6**

6, Press the NOISE GATE button in order to enter the noise gate submenu ON/OFF, select ON or OFF status via jog-wheel as fig.7.



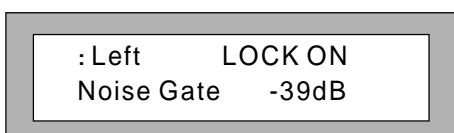
**Fig.7**

Press the NOISE GATE button again, enter the noise gate threshold value setup operation as fig.8, you can adjust the threshold via jog-wheel, the range is -66dB~-24dB.



**Fig.8**

7, Hold the LOCK button until the display shows LOCK ON. All functions are locked as fig.9. In order to unlock, press the LOCK button then DELAY ON appears in the display as fig.8.



**Fig.9**

## ANALOG INPUT

Receptacle	XLR and 1/4 " jack
Type	Balanced input
Impedance	Balanced: 40k ohm; Unbalanced: 20k ohm
Input level	-20dB~+4dB

## ANALOG OUTPUT

Receptacle	XLR and 1/4 " jack
Type	Electronic balanced output
Impedance	Balanced: 66 ohm; Unbalanced: 33 ohm

## SYSTEM SPECIFICATION

Frequency response	20Hz~20kHz, $\pm 1$ dB
Dynamic range	>110dB, 20Hz~20kHz
S/N ratio	>95dB, 20Hz~20kHz
Distortion	<0.01%, @ 1kHz, 0dB

## DIGITAL HANDLE POWER

AD/DA	24bit $\Sigma - \Delta$
Sampling rate	48kHz
Display	2x16 character LCD with backlit

Power supply	90V~250V, 50/60Hz
Fuse	T1A/250V
Power consumption	10W
Power plug	standard IEC receptacle
Dimension(WxDxH)	45mmX482mmX152mm
Weight	3kg