Next

SEQUY 8000

Light Processor

8 Channels x 5 A

Microprocessor controlled - Digital dimmer

Remote Control System

GB ***USER'S MANUAL***

INDEX

1- ***Sets of the equipment***

1.1 Unpacking of the equipment

1.2 Accessories issued with the equipment and relative documentation.

2- ***Description of the panels***

2.1 Description of front panel

2.2 Description of rear panel LEGRAND version

2.3 Description of rear panel ILME version

3- ***Use of the equipment - main functions***

3.1 SEQuential mode

3.2 ON / OFF mode **-** Store a PRESET

3.3 PRESET mode

3.4 How to create and store a ***PRESET.***

3.5 *Use* ***PRESET*** *as a scene*

3.6 *Use the* ***PRESETS*** *as a programmed sequence*

4- ***Use of the equipment - secondary functions***

4.1 ***CH-OFF*** function

4.2 ***CH-ON*** function

4.3 ***BANK*** function - Internal memory organization

4.4 ***MIN*** function

4.5 ***FILL*** function

4.6 ***BLK*** function

4.7 ***BUZZER*** function

4.8 *Description of external R.C.S. control (not included)*

5- ***Installation of the equipment***

5.1 Installation of LEGRAND / ILME version

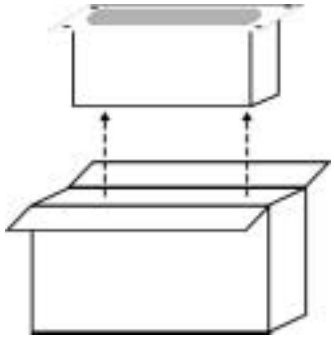
5.2 Connection with SINGLE-PHASE supply

5.3 Connection with THREE-PHASES supply

5.4 Connection of the output channels

1.1 Unpacking of the equipment

Open the box; take the equipment and the documentation out as show in the picture below.



1.2 Accessories issued with the equipment and relative documentation

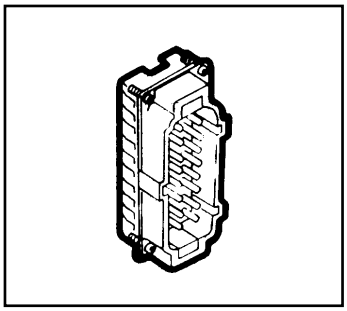
Verify the contents of the packing.
If one of the following parts of the packing is missing or damaged, please contact your dealer immediatly

A User's manual
B Screw terminals block for fast connection. *
C Case for screw terminals block. *
D Wire-cather*

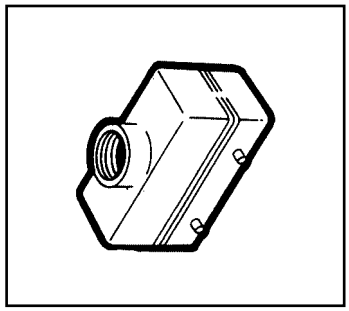
*** NOTE: This accessories are standard only in 1-ILME version and are double only in 2-ILME version.**

A

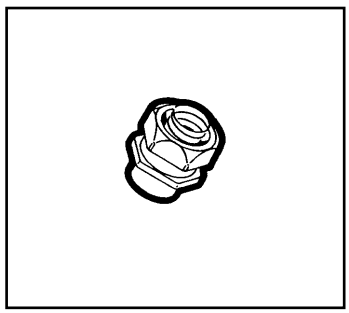
B



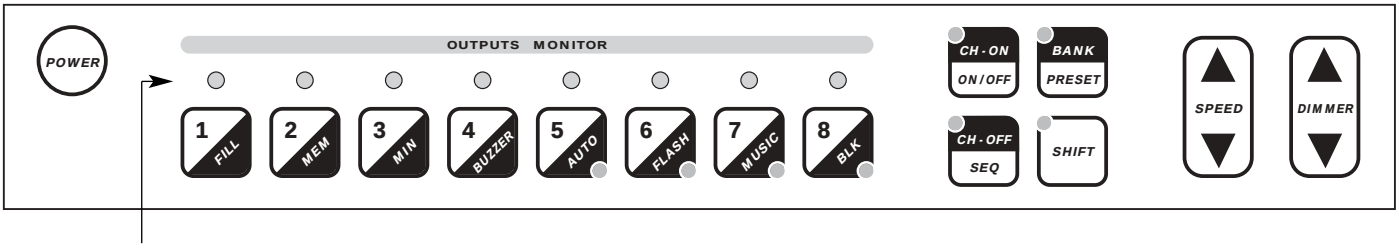
C



D



2.1 Description of the front panel



The OUTPUTS MONITOR lights, shows the state of output channels and shows informations about secondary functions.

POWER — **Turn on the equipment, recalling all the settings.**
Turn off the equipment, storing all the settings in a non-volatile memory.

CH-OFF / SEQ — **Activate SEQuential mode (par. 3.1)**
Activate CH-OFF 2nd function (with SHIFT key on). (par. 4.1)

CH-ON / ON/OFF — **Activate ON/OFF mode (par. 4.1)**
Activate CH-ON 2nd function (with SHIFT key on). (par. 5.1)

BANK / PRESET — **Activate PRESET. mode (par. 3.3)**
Activate BANK 2nd function (with SHIFT key on). (par. 4.3)

SHIFT — **Activate / deactivate the 2nd function of the keys**

1 FILL ..... 8 BLK — **Activate various functions depending of the working mode**

SPEED ▲ — **Increase speed of the sequence in SEQ mode.**
Increase the changing speed of presets in PRESET-AUTO mode.

SPEED ▼ — **Decrease speed of the sequence in SEQ mode.**
Decrease the changing speed of presets in PRESET-AUTO mode.

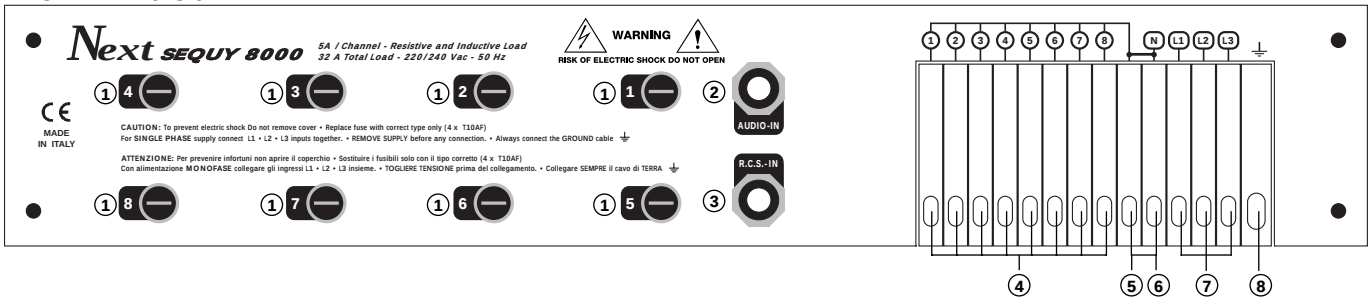
DIMMER ▲ — **Increase the light intensity of all the channels**

DIMMER ▼ — **Decrease the light intensity of all the channels**

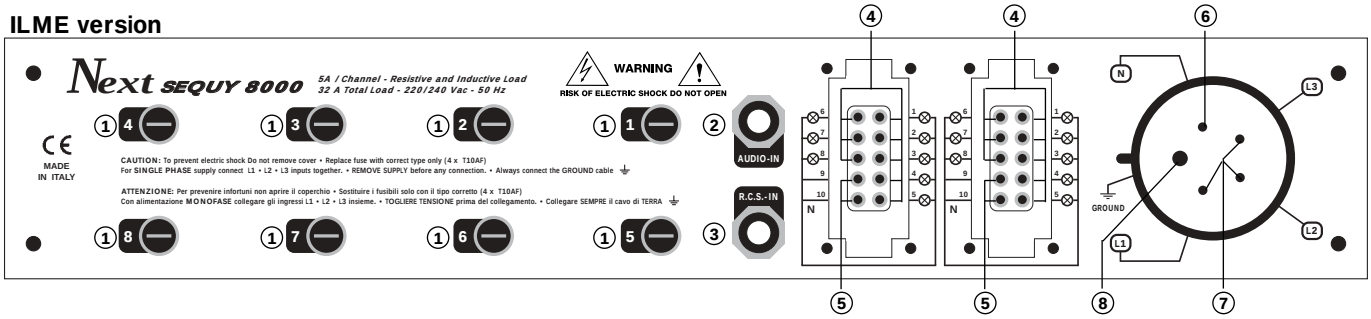
N.B. When the maximum and minimum SPEED or DIMMER is reached the light on the SHIFT key flashes.

2.2 Description of the LEGRAND - ILME rear panels

LEGRAND version



ILME version



① OUTPUT CHANNEL FUSES

Each output has its fuse to protect the output stage of the unit and the lamp from short-circuits or overvoltages. If one or more output channels stop working, verify the fuses. (par. 7.7)

② MUSIC SIGNAL INPUT (0 dB)

This input allow to activate the unit with bass frequencies rhythm.
The connector is JACK MONO type, connecting a JACK STEREO type only one channel will be connected.
If the music signal is not present or not connected the ***MUSIC*** function will not work.
Music input has a automatic gain adjustment, which allows to have always a signal level good for the equipment's working.

N.B. IT IS ABSOLUTELY FORBIDDEN TO CONNECT TO THIS INPUT ANY POWER SIGNALS FOR ACOUSTIC SPEAKER COMING FROM AMPLIFIED MIXERS OR AMPLIFIER !!!.

③ R.C.S. REMOTE CONTROL INPUT

This input allows to control a lot of functions through an external control.
R.C.S. input is JACK MONO type and can accept R.C.S. manual control or foot-switches.

NOTE: Connect in the R.C.S. input only dedicated control build by Next, use of another type of control can seriously damage the internal circuits.

④ OUTPUT CHANNELS CONNECTOR: CHANNELS 1 / 8

Allows to connect the 8 output channels.

NOTE: TOTAL LOAD FOR EACH CHANNEL CAN'T EXCEED 5 A (1100 W)

⑤ OUTPUT CHANNELS CONNECTORS: NEUTRAL

Allows to connect the **N (NEUTRAL)** of the channels.

⑥ SUPPLY CONNECTOR: N (NEUTRAL)

Connector for **N (NEUTRAL)** wire of MONO-PHASE or TRHEE-PHASES power supply.

SUPPLY CONNECTORS: L1 - L2 - L3

⑦ Connectors for **L1(R) - L2(S) - L3(T)** wires of TRHEE-PHASES power supply.

NOTE: WITH MONO-PHASE SUPPLY connect the phase wire to the three connectors L1 - L2 - L3 together.

⑧ CONNECTOR FOR GROUND WIRE

Connect here the **green / yellow ground wire.** ⏚

3.1 SEQuential MODE

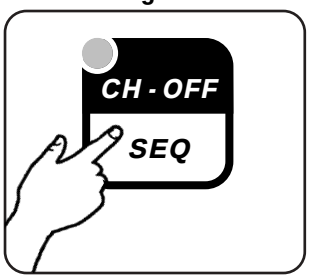
THE CHANNELS ARE ACTIVATED IN A PREPROGRAMMED SEQUENCE

NOTE: Be sure that *SHIFT function are deactivate*. (yellow light on the *SHIFT* key must be off).

Pressing ***SEQ*** key the **SEQ** mode is activated. (Fig.1)

The green light on the key will light up to indicate the activation of the function.

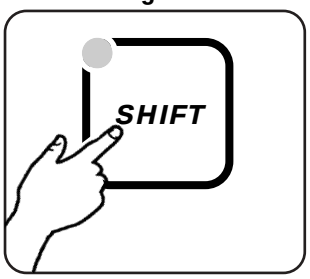
Fig. 1



Functions available in SEQ mode:

Select one of the 8 sequences

Fig. 2



Functions available in SEQ mode after activate *SHIFT* function: (yellow light on the *SHIFT* key on). (Fig.2)

Activate / deactivate the automatic sequences selection.
Light under the key indicate the activation of the function

When activate, each sequence is executed 4 times then the next sequence is selected.

Activate / deactivate the flash effect.
Light under the key indicate the activation of the function

When activate, the output channels remain on, only for a short period of time.

Activate / deactivate the music function.
Light under the key indicate the activation of the function

When activate, the sequence run with music rhythm. (**only if an audio signal is present on the rear music input).**

BANK function (par. 4.3) allows to select one of the 2 bank of preprogrammed sequences available in SEQ function.

Bank 1 is preferred when all the 8 channels are in the same stand.

Bank 2 is preferred when the 8 channels are in the 2 stands. (4+4)

3.2 ON / OFF MODE - Store a PRESET

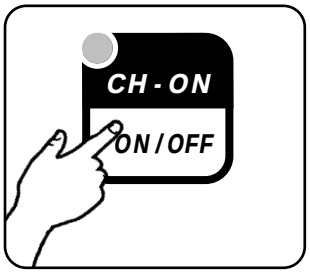
EACH CHANNEL CAN BE ACTIVATE / DEACTIVATE MANUALLY THROUGH 1 / 8 KEYS, AND ALLOWS TO STORE A COMBINATION OF OUTPUT CHANNELS (PRESET).

NOTE: Be sure that *SHIFT function are deactivate*.
(yellow light on the *SHIFT* key must be off).

Pressing ***ON / OFF*** key the **ON / OFF** mode is activated. (Fig.3)

The green light on the key will light up to indicate the activation of the function.

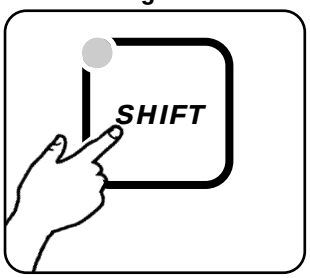
Fig. 3



Functions available in ON / OFF mode:

Activate / deactivate output channels 1 / 8

Fig. 4



Functions available in SEQ mode after activate *SHIFT* function:
(yellow light on the *SHIFT* key on). (Fig.4)

Allows to store in one of the 8 presets (of the active bank) the state of the output channels.

When activate this function, the **OUTPUT MONITOR** lights turn off.
Now you must select one of the **8 PRESET** want to store the state of output channels, simply pressing one of the **1...8** keys.

NOTE: It is important to now what BANK (1 / 8) is active, because all the operation regarding PRESETS (read & store) will be referred to it. (par. 4.3)

To exit from this function without modify presets you must press any key **except 1...8.**

Activate / deactivate the flash effect.
Light under the key indicate the activation of the function

When activate, the output channels remain on, only for a short period of time.

NOTE: It is not possible to activate MEM function with flash function active.

3.3 PRESET MODE

SHOW ONE OF THE 8 PRESETS OF THE ACTIVE BANK, AND THROUGH AUTO MODE ALLOWS TO HAVE A SEQUENTIAL SELECTION OF THE 8 PRESET.

NOTE: Be sure that *SHIFT function are deactivate*. (yellow light on the *SHIFT* key must be off).

Fig. 5

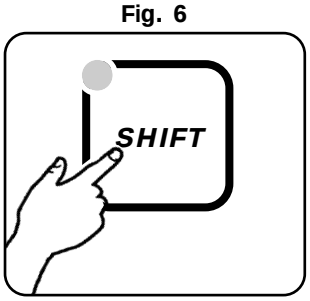
Pressing ***PRESET*** key the **PRESET** mode is activated. (Fig.5)

The green light on the key will light up to indicate the activation of the function.

Functions available in PRESET mode:

Select one of the 8 presets.

Fig. 6



Functions available in PRESET mode after activate *SHIFT* function: (yellow light on the *SHIFT* key on). (Fig.6)

Activate / deactivate the automatic selection of the presets.
Light under the key indicate the activation of the function

When activate, the presets are executed one after the other.

After you have created the 8 presets (in the same bank!) through this function you have a **PROGRAMMABLE SEQUENCE.**

Activate / deactivate the flash effect.
Light under the key indicate the activation of the function

When activate, the output channels remain on, only for a short period of time.

Activate / deactivate the music function.
Light under the key indicate the activation of the function

When activate, the sequence run with music rhythm. (**only if the AUTO function is activated and an audio signal is present on the rear music input).**

BANK function (par. 4.3) allows to select one of the 8 bank of programmable **PRESETS.**

When **AUTO** function is activated, switching active bank allows to select one of the 8 programmable sequences (of presets).

3.4 How to create and store a PRESET.

NOTE: Be sure that *SHIFT function are deactivate*.
(yellow light on the *SHIFT* key must be off).

1) Activate **ON / OFF MODE** (par. 3.2).

2) If active, deactivate **FLASH** function (par. 3.2).

3) Select the **BANK** to store the preset through **BANK** function (par. 4.3)
Once selected, the active **BANK** will remain the same until we change it again.

4) Create through 1 / 8 keys the combination of output channels.

5) Activate the **MEM** function (par. 3.2) pressing first **SHIFT** key**,** and after

6) Select one of the 8 preset you want to store the combination, pressing one of the 1 / 8 key.

7) Now you can store another preset starting from point 4, or recall the preset you have just created through **PRESET** mode (par. 3.3).

3.5 Use a PRESET as a scene

Storing in a preset an output channels combination; this preset can be recalled everytime through **PRESET** mode (par.3.3).

For example if we want to have a specific lights combination in a room or in the stage.

We have 8 presets for each bank, and therefore 64 total presets.

3.6 Use the PRESETS as a programmed sequence

Storing 8 presets in the same bank that creating a programmed sequence you can animate it.

To have automatic selection of presets you must select the **PRESET** mode (par. 3.3) and activate **AUTO** function (par. 3.3).

Now you have create a programmed sequence that can be also utilized as a background (selecting a low changing speed between presets).

With **BANK** function now you can select one of the 8 programmed sequences (one sequence for every bank).

4.1 CH - OFF FUNCTION

THIS FUNCTION TURN ALWAYS OFF ONE OF THE 8 CHANNELS

To select **CH-OFF** function you must activate second function of keys pressing ***SHIFT*** (Fig.7)

(yellow light on the SHIFT key on).

After press ***CH-OFF*** key. (Fig.8)

If you execute exactly the operation, the light on the ***CH-OFF*** key blink.

Now the **OUTPUTS MONITOR** lights shows the channels turned off.

To turn off or to put again in the normal state a channel simply press **1...8** keys.

To exit from this function without modify you must press any key **except 1...8.**

Once turned off a channel, it will remain in this state until you put it again in normal state through this function.

Fig. 7

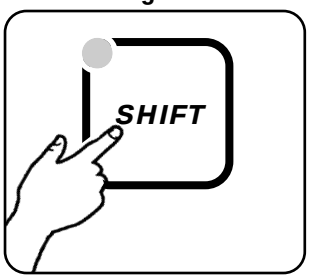
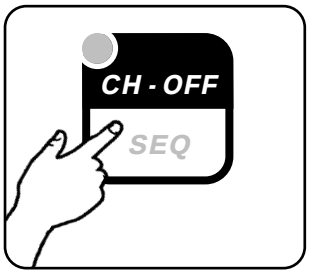


Fig. 8



4.2 CH - ON FUNCTION

THIS FUNCTION TURN ALWAYS ON ONE OF THE 8 CHANNELS

To select **CH-ON** function you must activate second function of keys pressing ***SHIFT*** (Fig.9)

(yellow light on the SHIFT key on).

After press ***CH-ON*** key. (Fig.10)

If you execute exactly the operation, the light on the ***CH-ON*** key blink.

Now the **OUTPUTS MONITOR** lights shows the channels turned on.

To turn on or to put again in the normal state a channel simply press **1...8** keys.

To exit from this function without modify you must press any key **except 1...8.**

Once turned on a channel, it will remain in this state until you put it again in normal state through this function.

Fig. 9

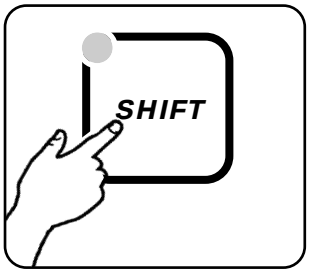
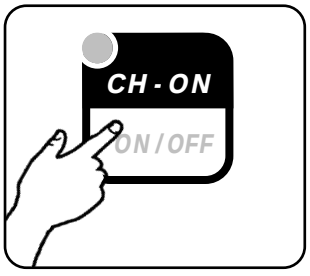


Fig. 10

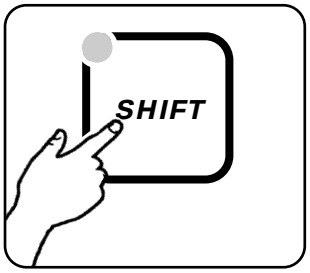


4.3 BANK FUNCTION

If activate from SEQ MODE, SELECT ONE OF THE 2 BANKS OF PREPROGRAMMED SEQUENCES. (PAR.3.1).

If activate from ON/OFF MODE OR PRESET MODE, SELECT ONE OF THE 8 BANKS OF PRESETS (PAR.3.2-3.3).

Fig. 11



To select **BANK** function you must activate second function of keys pressing ***SHIFT*** (Fig.11)

(yellow light on the SHIFT key on).

After press ***BANK*** key. (Fig.12)

If you execute exactly the operation, the light on the ***BANK*** key blink.

Now the **OUTPUTS MONITOR** lights shows the **ACTIVE BANK.**

To select another bank, simply press one of the **1...8** keys.

To exit from this function without modify you must press any key **except 1...8.**

Fig. 12

Internal memory organization

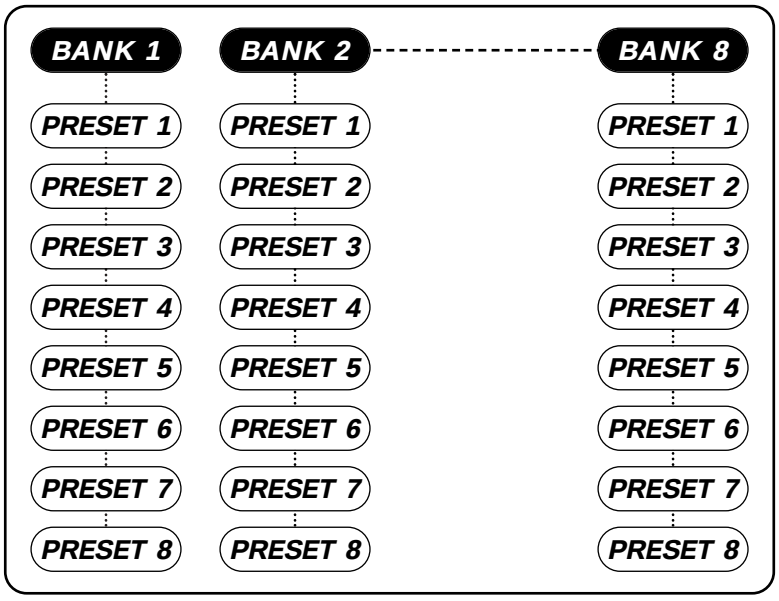
Internal memory organization is described in fig.13.

It is composed by 64 total presets divided in 8 banks of 8 presets each one.

Only one bank can be activated at a time. To select it, use ***BANK*** function.

Each of the 8 presets of the active bank can be stored through ***MEM function*** in ***ON/OFF MODE*** and recalled through **1/8 keys** in ***PRESET MODE.***

Fig.13



The memory is a non-volatile type, it can stores data without supply for more than 10 years.

4.4 MIN FUNCTION

THIS FUNCTION SELECT THE PRE-HEAT VALUE FOR THE LAMPS

NOTE: This function is useful to increase the speed response of the lamps and to extend lamps life.

To select **MIN** function you must activate second function of keys pressing ***SHIFT*** (Fig.14)

(yellow light on the SHIFT key on).

After press ***MIN*** key. (Fig.15)

Now the **OUTPUTS MONITOR** lights shows the **selected value of pre-heat.**

To select another value simply press one of the **1...8** keys.

Key 1= Pre-heat OFF
Key 2= Pre-heat MIN . . . Key 8= Pre-heat MAX

To exit from this function without modify you must press any key **except 1...8.**

NOTE: With inductive loads (projectors with transformer) is preferred to turn off pre-heat (Key 1).

Fig. 14

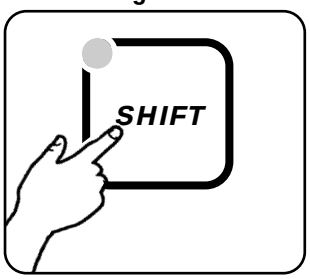
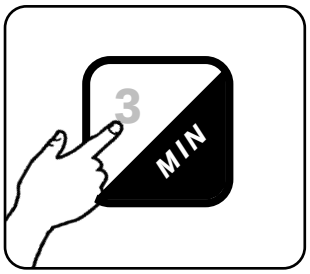


Fig. 15



4.5 FILL FUNCTION

THIS FUNCTION TURN ON ALL THE OUTPUT CHANNELS

To select **FILL** function you must activate second function of keys pressing ***SHIFT*** (Fig.16)

(yellow light on the SHIFT key on).

After press ***FILL*** key. (Fig.17)

Now all the output channels are **ON.**

To return back to normal state, simply press any key.

Fig. 16

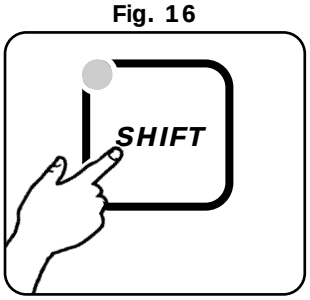
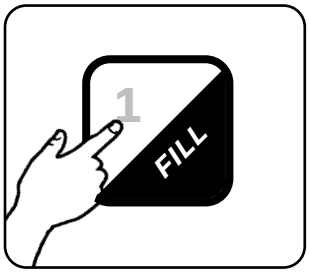


Fig. 17



4.6 BLK FUNCTION

THIS FUNCTION TURN OFF ALL THE OUTPUT CHANNELS

To select **BLK** function you must activate second function of keys pressing ***SHIFT*** (Fig.18)

(yellow light on the SHIFT key on).

After press ***BLK*** key. (Fig.19)

Red light under the key indicate the activation of the function

Now all the output channels are **OFF.**

To return back to normal state, simply press any key.

Fig. 18

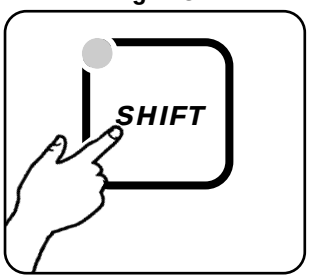
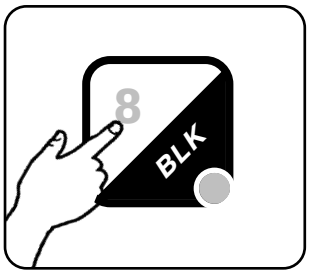


Fig. 19



4.7 BUZZER FUNCTION

THIS FUNCTION TURN ON / OFF THE BUZZER SOUND ON KEY PRESSING

To activate / deactivate **BUZZER** function you must activate second function of keys pressing ***SHIFT*** (Fig.20)

(yellow light on the SHIFT key on).

After press ***BUZZER*** key. (Fig.21)

Fig. 20

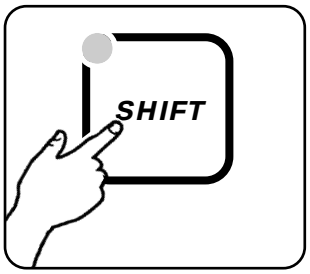
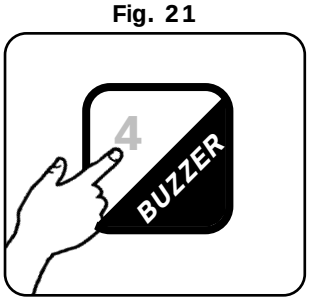


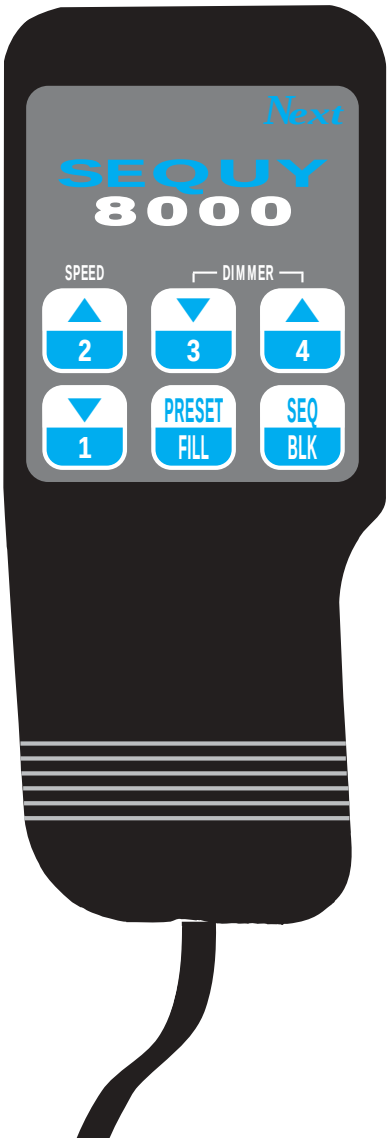
Fig. 21



4.8 DESCRIPTION OF R.C.S. REMOTE CONTROL (not included)

The **R.C.S. Remote Control System** is an accessory that allows to control a lot of function of this equipment from a remote position, through a simple JACK-MONO -> JACK-MONO cable.
This system is very useful for everybody has busy hands (Piano-bar) or to leave the unit on the stage and control it from mixer position (with signal wired through extension box).
You have less wires for supply and lamps and a fast installation.

HAND R.C.S.



SEQ / BLK — Press it for little time to activate ***BLK function*** (par 4.6)
Press it for over than 1,5 seconds to activate ***SEQ. MODE*** (par 3.1)

PRESET / FILL — Press it for little time to activate ***FILL function*** (v. par 4.5)
Press it for over than 1,5 seconds to activate ***PRESET MODE*** (v. par 4.3)

1 — Press it for little time to select sequence n°1 in ***SEQ MODE*** or preset n°1 in ***PRESET MODE.***
Press it for over than 1,5 seconds to decrease the speed of sequence in ***SEQ MODE*** or ***PRESET-AUTO MODE.***

2 — Press it for little time to select sequence n°2 in ***SEQ MODE*** or preset n°2 in ***PRESET MODE.***
Press it for over than 1,5 seconds to increase the speed of sequence in ***SEQ MODE*** or ***PRESET-AUTO MODE.***

3 — Press it for little time to select sequence n°3 in ***SEQ MODE*** or preset n°3 in ***PRESET MODE.***
Press it for over than 1,5 seconds to decrease the light intensity of all the output channels.

4 — Press it for little time to select sequence n°4 in ***SEQ MODE*** or preset n°4 in ***PRESET MODE.***
Press it for over than 1,5 seconds to increase the light intensity of all the output channels.

R.C.S. FOOT SWITCHES

SEQ	*PRESET*	▼ *SPEED* ▲		▼ *DIMMER* ▲	
BLK	*FILL*	*1*	*2*	*3*	*4*

5.1 Installation of LEGRAND / ILME version

ALL THE OPERATION OF INSTALLATION OR SERVICE MUST BE MADE BY QUALIFIED PERSONNEL !

This unit can accept two type of power supply:

- **220/240V 50 Hz supply (MONO-PHASE CONNECTION: 1 PHASE + NEUTRAL + GROUND).**
- **380V 50 Hz supply (TRHEE-PHASE CONNECTION: 3 PHASES + NEUTRAL + GROUND).**

NOTE: Channels 1/4 are connected to L1 phase, channels 5/8 are connected to L2 phase. The L3 phase is not internal connected.

Nominal load for each phase can not exceed 16 A (3500 W). Total load when all the 8 output channels are on and with full light intensity can not exceed 32 A (7000W).

BEFORE INSTALLATION BE SURE THAT:

- Power supply is capable to deliver enough power for the total load connected at outputs.

- Power supply and lamps wires have a suitable section depending of their lenght and total current flow.

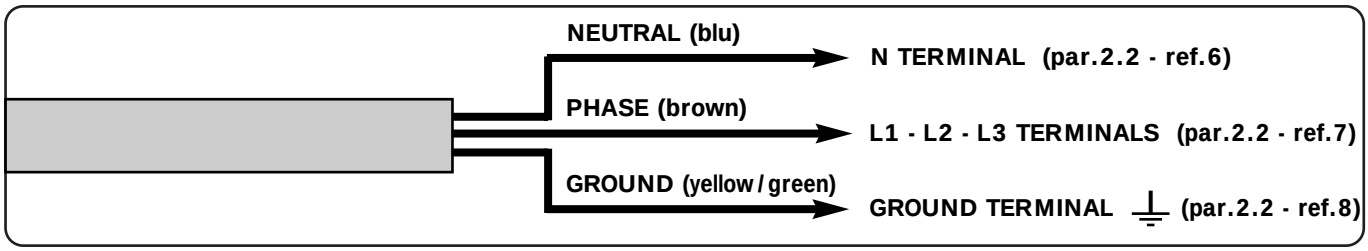
5.2 INSTALLATION WITH MONO-PHASE SUPPLY

LEGRAND VERSION:
Unscrew the 2 fixing screw and remove protection plexiglass over the terminals block.
Connect the 3 wires of power supply cable in the screw terminals as show in fig.22.
Fix through the 2 screw the protection plexiglass over the terminals block.

ILME VERSION:
Connect the 3 wires of power supply cable to a 3 POLES + NEUTRAL + GROUND 16A plug (not included) as show in fig.22.

NOTE: In mono-phase operation the L1-L2-L3 terminals must be wired together through a suitable section wire.

Fig. 22



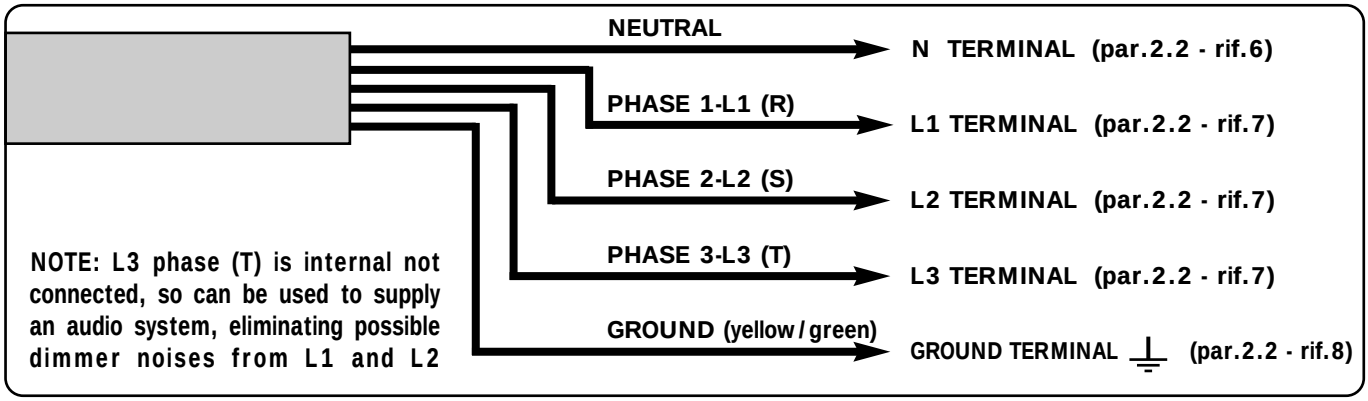
5.3 INSTALLATION WITH THREE-PHASES SUPPLY

LEGRAND VERSION:
Unscrew the 2 fixing screw and remove protection plexiglass over the terminals block.
Connect the 5 wires of power supply cable in the screw terminals as show in fig.23.
Fix through the 2 screw the protection plexiglass over the terminals block.

ILME VERSION:
Connect the 3 wires of power supply cable to a 3 POLES + NEUTRAL + GROUND 16A plug (not included) as show in fig.23.

THE WIRING IS STAR + NEUTRAL TYPE (3 PHASES + NEUTRAL)

Fig. 23



5.4 CONNECTION OF THE OUTPUT CHANNELS

LEGRAND VERSION:
Unscrew the 2 fixing screw and remove protection plexiglass over the terminals block.

Connect all the projector's cable in the screw terminals as show in fig.24.

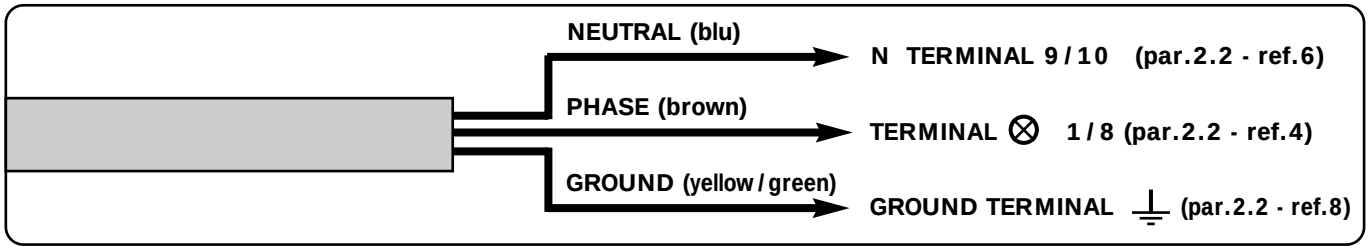
Fix through the 2 screw the protection plexiglass over the terminals block.

ILME VERSION:
Connect all the projector's cable in the ILME socket (accessory B page 4) as show in fig.24.

The 2 ILME CONNECTORS ARE INTERNAL PARALLEL WIRED, SO YOU CAN HAVE:

1 STAND WITH 8 PROJECTORS (8 channels in one connector).
2 STANDS WITH 4 PROJECTORS EACH ONE (4 + 4 channels in two connectors).
2 STANDS WITH 8 PROJECTORS EACH ONE (8 + 8 channels in two connectors).

Fig. 24



Is possible to connect one or more lamps in one channel, verifing that **TOTAL LOAD OF THE CHANNEL NOT EXCEED 5A (1100 W).**

NOTE: IT IS VERY IMPORTANT TO USE A SUITABLE SECTION WIRES TO CONNECT THIS EQUIPMENT TO THE LAMPS: THE SECTION DEPENDS OF THE LENGTH OF THE CABLE AND THE LOAD OF THE CHANNEL.

THE NEUTRAL CABLE MUST HAVE A SECTION SUITABLE TO SUPPLY ALL THE CHANNELS CONNECTED TO IT.

THE SECTION OF NEUTRAL DEPENDS ALSO OF SUPPLY TYPE (MONO-PHASE OR THREE-PHASES).

NOTE FOR ILME VERSION INSTALLATION:

The ground connection of output cable is executed inside the ILME connector through a screw.

NOTE:

CODEM MUSIC S.r.l. *- Via Del Vallo, 110 - 61100 PESARO - ITALY*
Tel. +39 0721 204357- Fax +39 0721 203554
http: / / www.codemmusic.com - E-mail: info@codemmusic.com

All rights reserved. No parts of this document can be copied, photocopied or reproduced without the prior written permission of the **CODEM MUSIC** s.r.l.

No responibility is taken for possible inaccuracies or mistakes.

The **CODEM MUSIC** s.r.l. reserves the right to make any alterations or aesthetics changes of this product that seem necessary at any time and for whatever reason.

The **CODEM MUSIC** s.r.l. takes no responsibility for the use or for the application of this product.