



ELC AC612

Users Manual

AC 612: Architectural Lighting Controller

The AC612 is a wallmount 6/12 channel lighting controller intended for controlling for example houselights. Other useful applications are: scroller controller, dmx-remote for the ELC showSTORE, or other dmx controlled equipment. It has a DMX input with build in LTP merger (LastTakesPrecedence). The DMX output is limited to 192 channels. External power supply is needed with output voltage ranging from +8V to +30V with 200mA output.

Applications:

- Architectural lighting control
- Houselight control
- ELC showStore dmx recorder remote
- ELC dam44 audio matrix remote
- 12 channel scroller controller with LTP merger
- many more

Installation

The AC612 is a hardwired lighting controller for wall mounting. Installing has to be done by a qualified technician.

Installation steps:

- 1) Open the AC612, unscrew the 4 phillips screws on the top and bottom side.
- 2) Connect the power supply on the PCB connectors indicated with -PWR+. There are 2 power connections, these are for linking multiple controllers together.
- 3) Connect the DMX input and output, indicated with -IN+ and -OUT+.
- 4) Switch on the power. Press the SETUP button, small button on the bottom.
- 5) When the SETUP button is lit the 16 key/led indicate DMX address, operating mode, fade time and privileges.

1	2	4	8	16	32
64	128			M1	M2
F1	F2	<input type="checkbox"/>		Store EN	Mem EN

- 6) Setup DMX address, the address indicates at which address the channels are on the DMX output. The DMX input channels at the same address are merged in LTP. the address is build up from the buttons/led which are lit. ex. 2+4+16 will make DMX start address of 22.
- 7) Setup operating mode. The AC612 has 4 operating modes selected by M1 and M2:

Mode	M1	M2	Operating Mode
1	Off	Off	6 channel with up/down per channel
2	On	Off	6 channel with 6 channel select and 6 direct memories
3	Off	On	12 channel with 12 channel select
4	On	On	12 channels with 12 memories

- 8) Insert the button markings depending on the selected operating mode. For the 6 channel updown place the 6 up arrows in the top row and the 6 down arrows in the bottom

row. The 6 channel/memory mode place numbers 1 to 6 in the top row and MEM/1-MEM/6 in the bottom row. For other modes place numbers 1 to 12 in top and bottom row.

- 9) Setup X-fade time for memory operation. The fade time is used for fading between memories. (Modes 2+4).

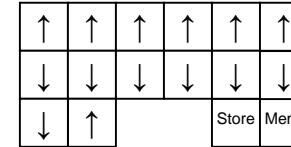
F1	F2	X-Fade time
Off	Off	0 seconds
On	Off	1 second
Off	On	2 seconds
On	On	5 seconds

- 10) Set privilege. To enable the user to store (modify) memories and fade time the Store button must be on. To enable the user to switch between operating mode 1 and 2 or 3 and 4, the Mem button must be lit.

Please note, if its required for the installer to create memories the privilege selection have to be both enabled.

Mode 1: 6 channel up/down operating mode

This mode has 6 channels with 2 button control per channel.



Each channel has an up and a down button for controlling the level.

The master Up / Down at the bottom controls the level of all the channels having a value higher then 0%.

If the store button is enabled, then it's possible to store the 6 channels in one of the 6 memories used in Mode 2. To store press and hold **Store**, press one of the middle row buttons to select the memory and release **Store**.

If the mem button is enabled it's possible to swap between operating mode 1 and 2. To change mode press **Mem**. Mode 1 is indicated by the Mem button led off and Mode 2 with the led on.

Mode 2: 6 channel with 6 channel select and 6 direct memories

This mode has 6 channels with select buttons and 6 direct memories.

1	2	3	4	5	6
Mem 1	Mem 2	Mem 3	Mem 4	Mem 5	Mem 6
↓	↑			Store	Mem

To change the level of 1 or more of the 6 channels select them with the top row and change the level with the master up/down at the bottom.

Press one of the 6 memory buttons (Mem/1 to Mem/6) to recall a 6 channel memory. Memories are recalled with the X-fade time set in setup.

If the store button is enabled it's possible to store a memory and to change the X-fade time. To store a memory press and hold **Store**. Press the desired memory button and release **Store**. To change the X-fade time press and hold **Store**. Change the X-fade time described in setup. And release **Store**.

If the Mem button is enabled it's possible to swap between operating mode 1 and 2. To change mode press **Mem**. Mode 1 is indicated by the Mem button led off and Mode 2 with the led on.

Mode 3: 12 channel with 12 channel select

This mode has 12 channels with select buttons.

1	2	3	4	5	6
7	8	9	10	11	12
↓	↑			Store	Mem

To change the level of one or more of the 12 channels select them and change the level with the master up/down on the bottom.

If the store button is enabled it's possible to store a memory. To store a memory press and hold **Store**. Press the desired memory button and release **Store**.

If the Mem button is enabled it's possible to swap between operating mode 3 and 4. To change mode press **Mem**. Mode 3 is indicated by the Mem button led off and Mode 4 with the led on.

Mode 4: 12 channel with 12 direct memories

This mode has 12 channels with 12 direct memory buttons.

1	2	3	4	5	6
7	8	9	10	11	12
↓	↑			Store	Mem

Press one of the 12 memory buttons (1 to 12) to recall a 12 channel memory. Memories are recalled with the X-fade time set in setup.

If the store button is enabled it's possible to store a memory and to change the X-fade time. To store a memory press and hold **Store**. Press the desired memory button and release **Store**. To change the X-fade time press and hold **Store**. Change the X-fade time described in setup. And release **Store**.

If the Mem button is enabled it's possible to swap between operating mode 3 and 4. To change mode press **Mem**. Mode 3 is indicated by the Mem button led off and Mode 4 with the led on.

General Information

CE – Product

The **AC612** System permits to the CE requirements set up by the European Community. This can be recognized by this label on the outside of the product.



Technical Specifications

AC612:

Output:	DMX 512 (1990)
Input:	DMX 512 (1990)
Signalisation:	17 Leds in buttons
Power:	8-30VDC 200mA max.
Dimensions	180x80x23 mm
Weight:	450 g

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