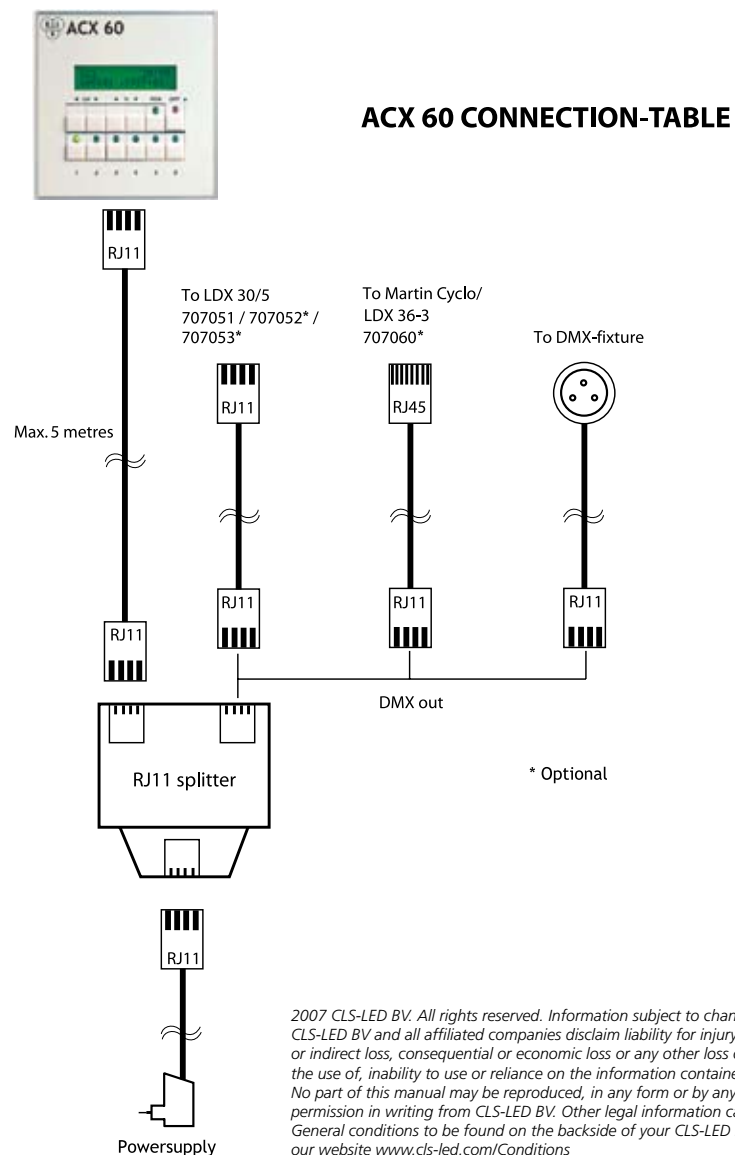


## ACX-60 DMX-controller

**1 INTRODUCTION:**

Thank you for choosing the ACX-60 DMX-controller. With the ACX-60 you can program a maximum of 60 DMX-channels, 40 chases and 24 scenes in a chase. The ACX-60 has 6 hotkeys to switch fast to another chase.

**Included Items**

The CLS ACX-60 is shipped in one package containing the following Items:

- 1 ACX-60 controller
- 1 Power supply
- 1 Connection cable RJ11 - XLR
- 1 Connection cable RJ11 - RJ45
- 1 Connection cable RJ11 - 2 m
- 1 ACX-60 splitter
- 1 Manual



**ATTENTION: It is important to read this manual before you install or use this product.**

**SAFETY INFORMATION**

**Warning! This product is for professional use only.**

Read this manual before powering up or installing the CLS ACX-60. Follow the instructions listed below and observe all warnings in this manual.

**Protection from electric shock**

- Disconnect the power supply from AC power before installation, dismantling or maintenance of the unit.
- Make sure all connectors are connected properly.
- Use only a source of AC power that complies with local building and electrical codes.
- Do not expose the unit to rain or moisture.
- Refer all service to a qualified technician.

**Protection from burns and fire**

- Do not install the ACX-60 near to a heat source.
- Do not install the ACX-60 in a corrosive, flammable or explosive area.
- Do not modify the ACX-60, or install other than genuine parts.
- Do not operate the unit if the ambient temperature exceeds 50°C.

**Protection from injury due to falls**

- Verify that all covers and mounting hardware is securely fastened
- Block access below the work area whenever installing or removing the unit.

**WARNING**

**BEFORE PROGRAMMING, FIRST POWER ON THE ACX-60 FOR 8 HOURS. AFTER THIS 8 HOURS, THE BACKUP BATTERY IS FULL, AND NOW YOU CAN PROGRAM THE ACX-60.**

**THE MAXIMUM LENGTH OF THE RJ11- RJ11 CABLE BETWEEN SPLITTER AND ACX-60 IS 5 METRES. IF YOU USE A LONGER CABLE, THE DISPLAY OF THE ACX-60 DOESN'T WORK!**

## 2 LOCKING/UNLOCKING PROGRAM-BUTTONS

It is possible to lock and unlock the program-buttons of the ACX-60. When you start programming first unlock the program-buttons.

- To lock the program-buttons of the ACX-60 press [FCN] + [OFF] + [◀] + [▶].
- To unlock the program-buttons of the ACX-60 press [FCN] + [◀] + [▶].

## 3. CHANNEL SETTINGS

With the channel-settings you can enable/disable the DMX-channels or set how much DMX-channels you have to program. Factory-set (and maximum) is 60 DMX-channels.

### 3.1 SET MAXIMUM OF DMX-CHANNELS

- First push the [FCN] button to get into the main-menu.
- Scroll with the %-buttons ([▲] or [▼]) to select [F3: MAXIMUM CH] where you can set a maximum of DMX-channels. Enter this menu with the [FCN] button.
- Change the maximum of settings with the %- and CH-buttons ([▲] or [▼] or [◀] or [▶]). To save press the function-button [FCN] and go back to the main-menu.

### 3.2 DISABLE DMX-CHANNELS

- To black-out (disable channels) press [OFF].

## 4. EDIT INTERNAL CLOCK

- First push the [FCN] button to get into the main-menu.
- Scroll with the %-buttons([▲] or [▼]) to select [F5: MODIFY CLOCK] where you can edit the internal clock. Enter this menu with the [FCN] button.
- Now select a date/time to edit. To do this, use the %-buttons ([▲] or [▼]).
- Now edit the date/time with the %- or CH-buttons ([▲] or [▼] or [◀] or [▶]). If you are ready press the function-button [FCN] to save.

## 7.4 DELETE TIMER

- First push the [FCN] button to get in the main-menu.
- Scroll with the %-buttons ([▲] or [▼]) to select [F4: EDIT TIMER] where you can delete a timer. To enter this menu press the [FCN] button.
- Select with the CH-buttons ([◀] or [▶]) which timer you want to delete and press hotkey [2].
- Press hotkey [1] to delete this timer, or press hotkey [2] to cancel.
- Press the function-button [FCN] to go back to the main-menu.

## 8. MEMORY RESET

You can reset the ACX-60 to factory defaults.

- First turn off the power supply.
- Press and hold the [▲] or [▼] + [FCN] + [OFF] buttons and power on the ACX-60.
- Press hotkey [1] to reset or press hotkey [2] to cancel.

### Technical Specifications

Input Voltage:	DC9V
Power consumption:	0,26 VA
Control signal:	DMX 512
Output:	60 DMX-channels
Connector:	RJ11
Dimensions:	116(W) x 120(H) x 55(D) mm
Weight:	0.5 kg

### Optional Accessories

• CLS DMX cable 0,8 meter	(item nr. 911200)	• CLS RJ11 3-way splitter	(item nr. 707050)
• CLS DMX cable 1,5 meter	(item nr. 911201)	• CLS RJ11 cable 2 meter	(item nr. 707051)
• CLS DMX cable 3,0 meter	(item nr. 911203)	• CLS RJ11 cable 5 meter	(item nr. 707052)
• CLS DMX cable 5,0 meter	(item nr. 911205)	• CLS RJ11 cable 7,5 meter	(item nr. 707053)
• CLS DMX cable 10,0 meter	(item nr. 911206)	• CLS RJ11-RJ45 cable 5 meter	(item nr. 707060)
• CLS DMX cable 15,0 meter	(item nr. 911207)	• CLS RJ11-DMX cable	(item nr. 707064)
• CLS DMX cable 20,0 meter	(item nr. 911209)		

## 7. TIMER SETTINGS

With timer settings you can set a date and time when there must be another chase.

[Example]      Monday till Friday      Chase 2  
                  Saturday till Sunday      Chase 3

### 7.1 SET TIMER ON/OFF

- First push the [FCN] button to get in the main-menu.
- Scroll with the %-buttons ([▲] or [▼]) to select [F6: TIMER ON/OFF] where you can set the timer on or off. We go inside this menu when you confirm this with the [FCN] button.
- Set the timer on or off with the %-buttons ([▲] or [▼]). If you are ready press the function-button to save and go back to the main-menu.

The display shows "T" when the timer is switched on.

### 7.2 SET A TIMER

- First push the [FCN] button to get in the main-menu.
- Scroll with the %-buttons ([▲] or [▼]) to select [F4: EDIT TIMER] where you can set a timer. Enter this menu with the [FCN] button.
- To set the timer press hotkey [3].
- First we set the time. Scroll with the %-buttons ([▲] or [▼]) to set an hour you wish. Press then on [▶] where you can set the minutes with the %-buttons ([▲] or [▼]).
- Press now [▶] to set the chase fade mode you like. This mode you can change with the %-buttons ([▲] or [▼]).
- Press also [▶] to set the chase (1-6) you want on this time. You can change it with the %-buttons ([▲] or [▼]).
- Then press [▶] to set the chase speed. Attention! This speed must be the same as the chase speed you set at this chase. Change it with the %-buttons ([▲] or [▼]).
- Now we set the days we want a chase. First press [▶]. Now you can select which days you want this chase. You can choose:
  - Everyday
  - Monday – Friday
  - Saturday – Sunday
  - Sunday
 You can change it with the %-buttons ([▲] or [▼]).
- The last setting is the keep-time. Press [▶]. Attention! This Keep-time must be the same as the Keep-time you set at this chase. Change it with the %-buttons.
- To save this timer press the function-button [FCN].
- To go back to the main-menu press [FCN].

### 7.3 EDIT TIMER

- First push the [FCN] button to get in the main-menu.
- Scroll with the %-buttons([▲] or [▼]) to select [F4: EDIT TIMER] where you can edit a timer. Enter this menu with the [FCN] button.
- Select now which timer you want to edit with the CH-buttons([◀] or [▶]). Then press hotkey [4] to edit this timer.
- Select with the CH-buttons([◀] or [▶])which item you want to edit.
- Scroll with the %-buttons ([▲] or [▼]) to set another value. Then press the function-button [FCN] to save.
- To go back to the main-menu press [FCN].

## 5. SCENES

Before you can program a chase you must program scenes. A scene is 1 step with information for all 60 DMX-channels.

[Example] Scene 1:    DMX-Channel 1 value 50%  
                           DMX-Channel 2 value 50%  
                           Channel 30 value 24%  
                           Channel 59 value 75%  
                           All other DMX-channels value 0%  
                  Scene 3:    ...

### 5.1 PROGRAMMING SCENES

Every time you want to program, first push the function [FCN] button. You enter a menu where you can change all settings.

- First push the [FCN] button to get into the main-menu.
- Scroll with the %-buttons ([▲] or [▼]) to select [F1: MODIFY CH] where you can create scenes. Enter this menu with the [FCN] button.
- Now we want to give one or more DMX-channels a value. Scroll with the CH-buttons ([◀] or [▶]) to the desired DMX-channel. You can enter a value with the %-buttons ([▲] or [▼]).  
 [Example]            Channel 30 value 24%  
                           Channel 59 value 75%  
 If you want to set the value from 0% to 100% directly, push and hold the [▼] button and press twice the [▲] button.
- To save this scene push on the function [FCN] button. Scroll with the %-buttons ([▲] or [▼]) to the scene-number where you want to save this scene.
- To save press hotkey [1].  
 To cancel press hotkey [2].

You are now back in the main-menu and the first scene is programmed (or cancelled). If this scene is programmed, you see this is a programmed scene. Always press the [OFF] button when a scene is running, before you want to program another scene.

### 5.2 LOAD SCENES

If you want to see your programmed scenes, you can load them.

- First push the [FCN] button to get into the main-menu.
- Scroll with the %-buttons ([▲] or [▼]) to select [F7: LOAD SC] where you can load scenes. Enter this menu with the [FCN] button.
- Scroll with the %-buttons ([▲] or [▼]) to see all 40 scenes. The ACX-60 shows all scenes, also the scenes that not are programmed.
- If you want to go back to the main-menu push the function [FCN] button.

## 6. CHASERS

A chase is a program with a minimum of 1 and a maximum of 24 scenes. It is possible to program a scene more than once in a chase. A chase can be programmed with fade-times and wait-times. Each chase has a hotkey (1-6).

[Example] Chase 1 Step 1: Scene 2  
 Step 2: Scene 4  
 Step 3: Scene 1  
 Step 4: Scene 4  
 Step 5: ...

### 6.1 PROGRAMMING CHASERS

- First push the [FCN] button to get into the main-menu.
- Scroll with the %-buttons ([▲] or [▼]) to select [F2: EDIT CHASER]. Push the [FCN] button to get in this menu.
- Scroll with the %-buttons ([▲] or [▼]) to select 1 of the 6 chasers you start to program. If you are on the desired chase press the first hotkey [1] to program this chase. Press hotkey [2] to cancel.
- Now you can program steps in a chase (maximum 24 steps). You begin with the first step of the chase you selected. Scroll with the %-buttons ([▲] or [▼]) to a scene that you have programmed.
- If you want more steps in this chase scroll with the CH-buttons ([◀] or [▶]) to step 2. Program also this step with a scene you wish.

[Example] Chase 1 Step 1: Scene 2  
 Step 2: Scene 4  
 Step 3: Scene 1  
 Step 4: Scene 4  
 Step 5: ...

- If you are ready with this chase press de function-button [FCN] to save this chase and install a fade- and wait time.

A fade-time is the time between 2 steps in a chase.

A wait-time is the time that a step is staying in a chase.

- You can change the fade-time (from 0.1 sec. to 99 min.) with the %-buttons ([▲] or [▼]).
- You can change the wait-time (from 0.1 sec. to 99 min.) with the CH-buttons ([◀] or [▶]).
- If you are ready press the [FCN] button to save times and set a fade-mode.

With a fade-mode you can set how a chase fades between 2 steps.

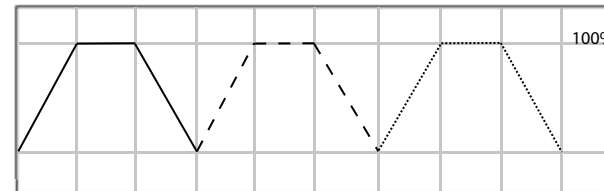
- To select a chase fade mode scroll with the %-buttons ([▲] or [▼]) between 1 and 4. Mostly we select mode 4 (see example on page 5).
- You can turn the chase fade mode on or off with the CH-buttons ([◀] or [▶]).
- If you are ready press the function [FCN] button to save and go back to the main-menu.

If you want to see your programmed chase, press the hotkey (1-6) you have programmed. Always press the [OFF] button when a chase is running and you want to create another chase.

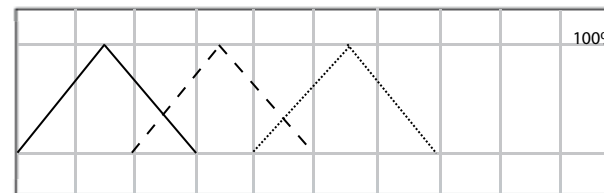
There are 4 different chase fade modes: mode 1, Mode 2, Mode 3, Mode 4

— Red  
 - - - Green  
 ..... Blue

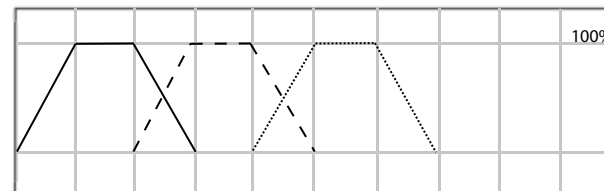
Mode 1



Mode 2



Mode 3



Mode 4

