

Universal Wireless/Cabled Remote Control



Compulite R&D

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OVERVIEW

The Universal Wireless or Cabled Remote Control (UWR) is a hand held unit which can be used cabled or wireless. It features a 2 line 16 character display, a keyboard, and a trackball.

Most of the keys have a double function. The function labeled in green is accessed with the **[SHIFT]** key. The functions are identical to those of the main console.

The UWR offers full control over:

Moving Lights (spots)	Channels	Memories	Macros
Access all parameters	Intensity control	Storing memories	Operating macros
Applying libraries	Testing channels	Modifying memories	
Updating libraries	Controlling scrollers		
Storing new libraries			

INSTALLATION

Wireless installation

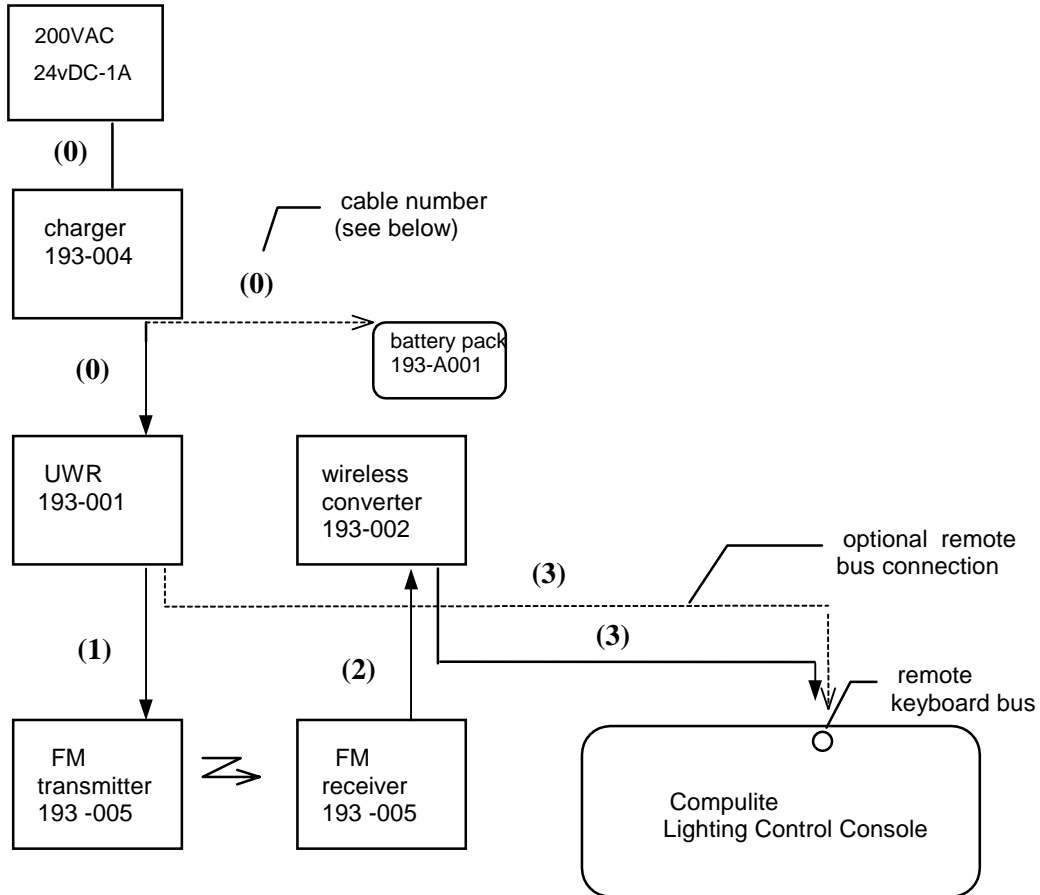


Figure 1 installing the wireless version

Cables

Cable 0 - Charger connections

These cables are supplied with the equipment.

Cable 1 - UWR - FM transmitter

Cable 2 - Wireless Converter - FM receiver. The Compulite UWR and Wireless Converter use PL 55 Mono male to PL55 Mono male connectors (2 wires). The connector type for the FM transmitter and receiver must suit the connector on your equipment. Consult the manufacturer's specifications.

Cable 3 – communication. Communication between the Lighting console and the Wireless Converter is via the Remote Keyboard Bus.

Use an XLR 7 pin connector, female to male.

name	male XLR 7 pin	female XLR 7 pin
GND	1	1
T- T+ (twisted pair)	2 3	2 3
R- R+ (twisted pair)	4 5	4 5
+12v	6	6
N/C	7	7
	shield	

Table 1 cable 3 - twisted pair

Installing the cable version

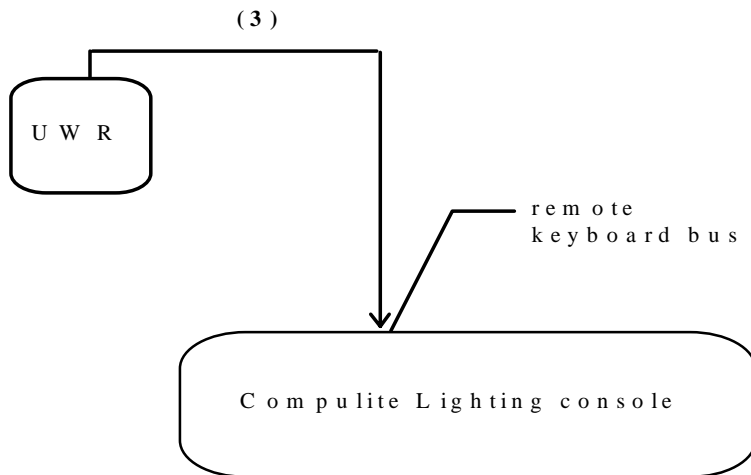


Figure 2 - installing the cable version

Communication between the lighting console and the UWR (in the cable version) is via the Remote Keyboard Bus. Use an XLR 7 pin female/male connector. See Table 1 .

KEYBOARD DESCRIPTION

→	Use for selecting a range of spots, channels, and memories.
—	Decrements selected channel, spot or memory by one. Access with the SHIFT key.
• (decimal point)	Used when assigning an intensity less than a multiple of 10 (4.5 is 45%). Used to assign a sub-decimal memory number. When used after channel selection will enter the last intensity assignment to a newly selected channel. Recall last channel or spot selection.
+	Increments selected channel, spot, or memory by one.
@	Set the keypad for intensity assignment. Access with the SHIFT key.
(DOWN/) STEP	Go to the previous step. For discrete step and mixed step parameters. Access with the SHIFT key.
(UP/) STEP	Go to the next step. For discrete step and mixed step parameters. Access with the SHIFT key.
0 thru 9	Numeric keypad to select channels, spots, memory, intensities, libraries, and macros.
CH	CHANNEL Prefaces channel selection.
CL	CLEAR - A regressive clear function, clearing the command line of the last entry displayed and finally clearing the selected spots and channels from the editor.
CL1	Assign 'home' values to the parameters included in Clear1.
CL2	Assign 'home' values to the parameters included in Clear2. Access with the SHIFT key.
COLOR #	Use to select Color libraries. Access with the SHIFT key.
DIM	Select the spots' dimmer parameter. Access with the SHIFT key.
DOWN	Decreases intensity, as if wheeling down the {level} wheel.

ENT	ENTER Convert a selected memory to a group of channels and/or spots in the editor, preserving the channels' associated levels and the spot parameters of the original memory.
F1 thru F5	Macro keys. It is handy to use macros to provide keys that do not appear on the wire/less designer keypad. Access with the SHIFT key. Macros numbers must be entered with 3 digits.
FL	Set dimmer for spots and channels to Full (100%). Access with the SHIFT key.
FRAME	Select to edit scroller frames. Access with the SHIFT key.
GOBO #	Use to select Gobo libraries. Access with the SHIFT key.
IGN OFF	Extinguish the lamp for Cyberlight and Intellabeam. Access with the SHIFT key.
IGN ON	Use for igniting moving lights.
IN LIB	Use for storing libraries.
MACRO	Use to operate macros 006 - 999. The function is like F6 on the main console. Access with the SHIFT key.
MEM	MEMORY Prefaces memory selection.
PARAM #	Use to select parameters. Access with the SHIFT key.
POS #	Use to select Position libraries. Access with the SHIFT key.
POWER	Press to power up the unit.
QL	QLIST Prefaces QList selections. Not yet functional for Ovation. Not available for Spark.
RLS	Use to release spot parameters and scroller frames from the editor or from memories. Access with the SHIFT key.
SHIFT ↘	FLASH Flash the dimmer of the selected spot or channel. Flashing can be overridden with the dimmer wheel for intensity assignment.
SHIFT ↓	Use to access the secondary function of double function keys.

SHIFT OFF	Disable the wire/less designer.
SHIFT RST	Reset. Clear the editor.
SPOT	Prefaces Spot selection.
STORE	Store memories and libraries.
TEST	Use the test function to flash through channels in numerical sequence.
UP	Increases intensity, as if wheeling up the {level} wheel.
X	Select pan.
Y	Select tilt. Access with the SHIFT key.
ZERO	Force the selected dimmer to 0%.

OPERATING INSTRUCTIONS

Any function of the main console functions, except menu and exam functions, can be executed on the UWR. Keys that are not available on the UWR keypad may be supplied via macros.

Important! If you are using the unit in wireless mode be advised that the FM transmitter does not have a rechargeable battery. Switch off the power on the transmitter if the unit is not in use for more than 10 minutes.

Attention! The unit automatically turns off when the unit has not been used for 2 minutes.

Getting control

1. Connect the UWR.
2. Turn the ON switch on the back. Then press **[POWER]** on the UWR panel. The message *To get control press CLEAR* is displayed.
3. Press **[CL]**. The main console is disabled. The message *REMOTE CONTROL* is displayed on main console monitor 1.

➤Note

If you are using the unit cabled, the **[POWER]** button is disabled, as the unit receives its power from the main console.

Regaining main console control

1. Press **[CLEAR]** on the console. The *REMOTE CONTROL* flag is no longer displayed on monitor 1.
2. When you want to switch control back to the UWR, press **[CL]** on the UWR panel.

➤Note

The wireless version has no “take control” instruction displayed to regain control. If the unit is not responding, press **[CL]**.

Operational status

The status of all outboard accessories can be viewed in the Outboard Status window on the main console. The Universal Remote Control Unit status is displayed here also.

Display the Outboard Status window

Press [**•**]

Exiting the Outboard Status display:

Press [**CLEAR**]

Color Code for Outboard Status display:

Color	What it means
Blue	Enabled
Red	Disabled
White	Not Installed

Disabling or enabling an outboard device:

1. Use **F1** to point the red arrow at the device. For the UWR, point to Remote Moving.
2. Press **F3 Disable/Enable**.

Canceling the Status warning

A device that has been disconnected generates a warning message; a red 'S' flashes in the command line.

1. Use **F1** to point the red arrow at the device.
2. Press **F2 Ignore**.

The Display

All keypresses are reflected on the display.

When using the UWR cabled, the display also shows messages and warnings.

Examples: If you are storing a memory on the UWR and that memory is assigned to a playback device, the warning *Memory On Board* is displayed on the UWR display. When you have successfully stored a memory the message *Memory # Stored* is displayed.

When using the UWR wireless, the display shows transmitted data only; no messages or warnings are displayed. Example: if you are about to overwrite a memory, no Memory Exists warning is given.

Wheel function

[UP] and [DOWN] function as a wheel, controlling the selected parameter, channel, or scroller.

Selecting channels and assigning intensity

1. Press [CHANNEL].
2. Select the channel number.
3. Press and hold down [UP] or [DOWN] to assign intensity
or
Press [@] and assign intensity using the number keys.

Selecting scrollers and assigning frame values

1. Press [CHANNEL]
2. Press [FRAME]
3. Press and hold down [UP] or [DOWN] to assign intensity
or assign a frame value using the number keys.

Selecting and editing spot parameters

1. Press **[SPOT]**
2. Select the spot number.
3. Press **[SHIFT]** and **[PARAM #]**
4. Select the parameter number.
5. Assign a value using numbers or use the **[UP]** and **[DOWN]** keys.

➤Note

For discrete parameters press **[UP/STEP]** to go to the next step or press **[DN/STEP]** to go to the previous step.

Selecting Libraries

1. Press **[GOBO #]**, **[COLOR #]**, or **[POS #]**
2. Use the numbers to select the library.

Operating Macros

Operate Macros 1 - 5 by pressing **[SHIFT]** and **F1 - F5**.

If you find that you need a key that is not provided on the UWR you can make a macro for that key.

1. Press **[SHIFT] [F6]**.
2. Select the macro number. Macro numbers must be entered as 3 digit numbers.
Example: to select macro 66, enter the number 066.
3. Press **[SHIFT] [F6]** again to operate the macro.

Wireless Receiver Diagnostic

The Wireless Receiver has 1 green LED and 1 red LED. The LEDs show the communication status.

Communication status	LEDs
FM (Audio) comm o.k.	Green LED on
No FM (Audio) comm	Green LED off
Power on and keyboard bus (comm) connection good	Red LED on.
No keyboard bus communication	Red LED blinking
No power	Red LED off Green LED off

Table 2 - receiver LEDs

COMPULITE BATTERY CHARGER

For Use with Universal Wire/less Remote batteries. The Charger Unit recharges 6 batteries (900 - 1200mAh capacity). Recharging time is 1 - 1 1/2 hours. The charger can be directly attached to the Remote unit, recharging the batteries in situ. A separate battery housing may be attached, recharging the batteries when removed from the Remote unit. This allows you to keep charged batteries on hand as back up.

Important! The Charger must be powered with 24v.DC at least 1A.

Important! Warning! Connect the charger to either the UWR or to the battery package. **DO NOT** connect the charger to both at the same time; this might cause irreparable damage to the charger.

Charging Modes

The charger has 4 charging modes. When the charger is connected to the battery housing or the Remote unit, it automatically checks the batteries' voltage. The current voltage level determines the charge mode.

Pending (trickle) charge mode	If the voltage is less than 6v., the Charger operates in the Pending charge mode; charging at the rate of 40 mA.
Fast charging mode	If the voltage is more than 6v., the Charger operates in the Fast charging mode; charging at the rate of 900 mA.
Top off charge mode	When the Charger detects that the batteries are fully charged, it switches to Top off charge mode. Every 34 seconds the batteries will be charged at the rate of 900 mA for 4 seconds and at the rate of 40 mA. for 30 seconds.
Trickle pulsed mode	1 1/2 hours after the start of the Fast charge mode, the Charger switches to Trickle pulse mode. Every 32 seconds the batteries will be charge at the rate of 900mA. for 0.5 seconds and at the rate of 40 mA. for 31.5 seconds.

Table 3 Charge modes

Charger Operation Status

The green LED indicates the Charger operation status.

Charge state	Status
Not active (no battery attached)	LED off
Charge pending	slow flicker
Fast charge	LED on
Top off charge	fast flicker

Table 4 - Charger LEDs

When charging the batteries in the UWR, connect the charger directly to the DC input connector.

When charging a battery package connect the 9v DC connector from the Charger to the battery package.