

Configuring the Remote Extender

Before the Remote Extender is connected to the digital recorder, the jumper settings must be configured:

Configuration	Jumper settings			
	J1	J2	J3	J4
Last Remote Extender in the chain (or single Remote Extender)	LINK	LINK	LINK	
Multiple Remote Extenders	OPEN	OPEN	OPEN	
Disable the internal buzzer				LINK

Note: The power will need to be recycled before the jumper settings take effect.

Operating the Remote Extender

The Remote Extender can be operated using the RC05 Remote control (supplied with Digital Sprite 2, BX2, and D4). The internal LED indicates the operation of the Remote Extender:

LED Colour	Operation
Red	Unit not connected or logged on.
Red (flashing)	Unit not connected or logged on whilst IR commands are being sent.
Green	Unit connected and logged on.
Amber (flashing)	IR Commands received.

To log onto a digital recorder you must press the 'UNIT SELECT' button followed by the corresponding camera number, e.g. camera 2 is unit 2 etc.

If a command is sent to the Remote Extender whilst it is not logged on (Red LED) the Remote Extender will beep and the LED will flash RED. The Remote Extender can receive commands from the remote control 15ft (5m) away.

Important: If the Remote Extender is installed in the same room as the digital recorder, it may be necessary to disable the IR receiver on the front panel to prevent multiple commands being received. This can be done in the 'System Options' page.

IR01 Remote Extender Installation and Operating Guide

Introduction

The IR01 Remote Extender allows a Dedicated Micros Digital Sprite 2, BX2, or D4 to be controlled from a remote location using the infrared remote control handset.

Connecting the Remote Extender

The IR01 Remote Extender needs to be wired back to one of the 485-Bus ports on the Dedicated Micros digital recorder. You can connect the Remote Extender in one of two ways:

Connecting using a single junction box

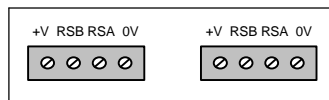
The Remote Extender can be wired up to 900ft (300m) with a single junction box. You will need:

- 1 x DM/CJ01 Junction box.
- 1 x 12Vdc PSU.
- CAT5 (or equivalent) cable length from the Junction box to the IR01 Remote Extender.

To connect the Remote Extender to the digital recorder:

1. Remove the front of the Remote Extender (using the clip at the top of unit).
2. Feed the CAT5 cable through the hole at the rear of the unit, and strip **all** of the wires.
3. Insert one wire into the +V, RSA (data A) and RSB (data B) terminals, connect all other spare wires to the 0V terminal and tighten the screws. **Note:** The second terminal strip can be used for daisy-chaining devices together.
4. Connect the wires at the other end of the cable to the corresponding connections on the terminal strip in the Junction box as follows:

IR01 Remote Extender (P1&P2 or P3&P4)	CJ01 Junction box (P4)
+V	+12V
RSB	B
RSA	A
0V	GND



5. Set jumpers and connect power to the CJ01 as detailed in the Junction box manual.

6. Connect the CJ01 to the digital recorder, a Green or Red LED inside the IR01 will light to indicate the unit has power.

Connecting using a two junction boxes

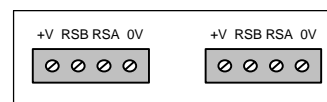
The Remote Extender can be wired up to 3000ft (1000m) with two junction boxes. You will need:

- 2 x DM/CJ01 Junction boxes.
- 1 x 12Vdc PSU.
- CAT5 (or equivalent) cable length between the Junction boxes.

To connect the Remote Extender to the digital recorder:

1. Remove the front of the Remote Extender (using the clip at the top of unit).
2. Cut one end off a 485-Bus cable (supplied with the junction box) and feed it through the hole at the rear of the unit, and strip **all** of the wires.
3. Insert the correct coloured wires into the terminals (as in the table below), connect all other spare wires to the 0V terminal and tighten the screws. **Note:** The second terminal strip can be used for daisy-chaining devices together.

IR01 Remote Extender (P1&P2 or P3&P4)	485-bus cable colour codes	CJ01 Junction box (P4)
+V	Blue	+12V
RSB	Green	B
RSA	Red	A
0V	Yellow	GND



4. Connect the 485-bus cable from the Remote Extender into one of the 485-bus ports on the junction box. Connect the PSU to this junction box and configure jumpers as detailed in the junction box manual.
5. Run the CAT5 cable between the two junction boxes (pin A to A and pin B to B),
6. Connect the second junction box to the digital recorder, a Green or Red LED inside the IR01 will light to indicate the unit has power.