

Big Intellis

User Guide



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Version June 2016: All technical data and the weight and dimension information were carefully created – errors reserved. Any colour deviations are printing-related.

We reserve the right to make changes that serve further improvement.

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Overview

The control devices of the Big Intelli family are the perfect DMX LED control units for large and small applications.

Depending on the model, the products from the Big Intelli family are used as small dimmers for our monochrome LED-Strips or RGB LED-Strips and -Tiles or as connector/adapter between the XLR and board cables. The control devices of the Big Intelli family can be extended into high-end solutions using the System Power Supplies made by Schnick-Schnack-Systems.

Big Intelli XLR

With XLR connectors for direct connection to system power supplies and with system connectors (as for the small LED-intelligence).

Big Intelli RGB

With three integrated rotary controllers, to be able to control RGB systems completely without DMX source.

Big Intelli Monochrom

With one rotary controller for dimming for monochrome systems.

Basic functions by version

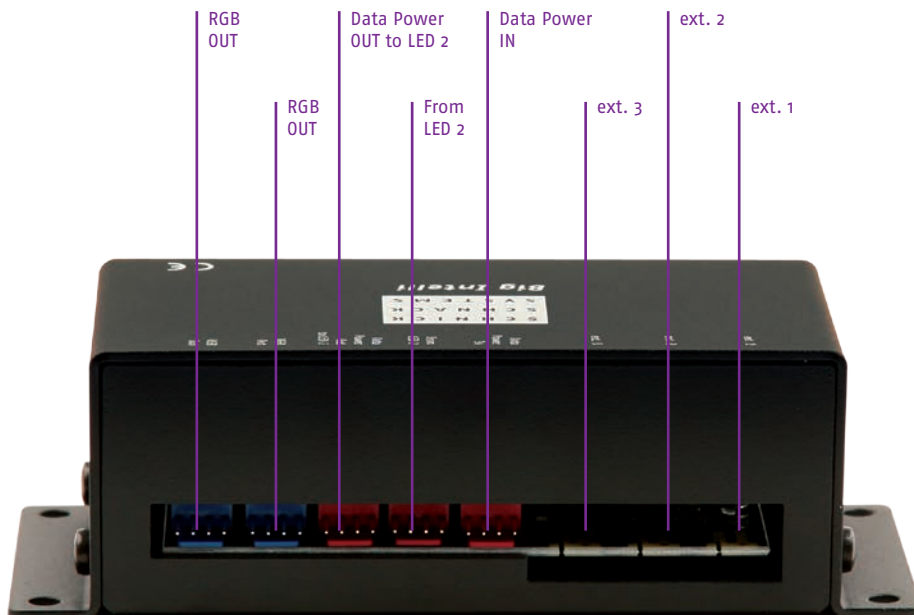
With the **Big Intelli XLR** the functions of an adaptorboard MK2 and an Intelligence card are combined into a single unit with increases to the efficiency of both. The device can be integrated in an existing system without the need for additional components. The blue outputs are identical to those found on a Long Distance Controller but LED-Strips with Intelligence can also be connected to the Big Intelli using the red output connectors. The two blue connectors are connected in parallel and can supply up to 3A of current. Single colour strips can also be driven in conjunction with the appropriate cross cables. This means that two Big Intelli XLR units can be connected to one output of a System Power Supply 4E to create two full Long Distance Controller-style outputs. The red connector marked (Data Power OUT to LED 2) can be used to connect LED-Strips with Intelligence cards to a maximum current of 3 A.

The **Big Intelli RGB** has the same functions as a three channel DMX desk. The three potentiometers are used to mix and control their corresponding colours. An external Power Supply Unit fitted with the appropriate cable (maximum 70W) connected to the red connector marked (Data Power IN) is used to supply the power.

The **Big Intelli Monochrome** is designed as a mini dimmer to control the brightness of our single-coloured LED-Strips and -Tiles. The potentiometer can be connected to a contact on the PCB (ext. 1) and mounted remotely. An external Power Supply Unit fitted with the appropriate cable (maximum 70W) connected to the red connector marked (Data Power IN) is used to supply the power.

Connectivity

You can find the following connection options on the device:



RGB OUT	Output connection to LED-Strips and -Tiles of the Series B and L	ext. 1 (red)	Connection point for external potentiometer
Data Power OUT to LED 2	Output connection to the next Intelligence unit	ext. 2 (green, monochrome)	Connection point for external potentiometer
From LED 2 (only XLR version)	Connects data with the XLR output	ext. 3 (blue)	Connection point for external potentiometer
Data Power IN	Connected with XLR 4pin input		

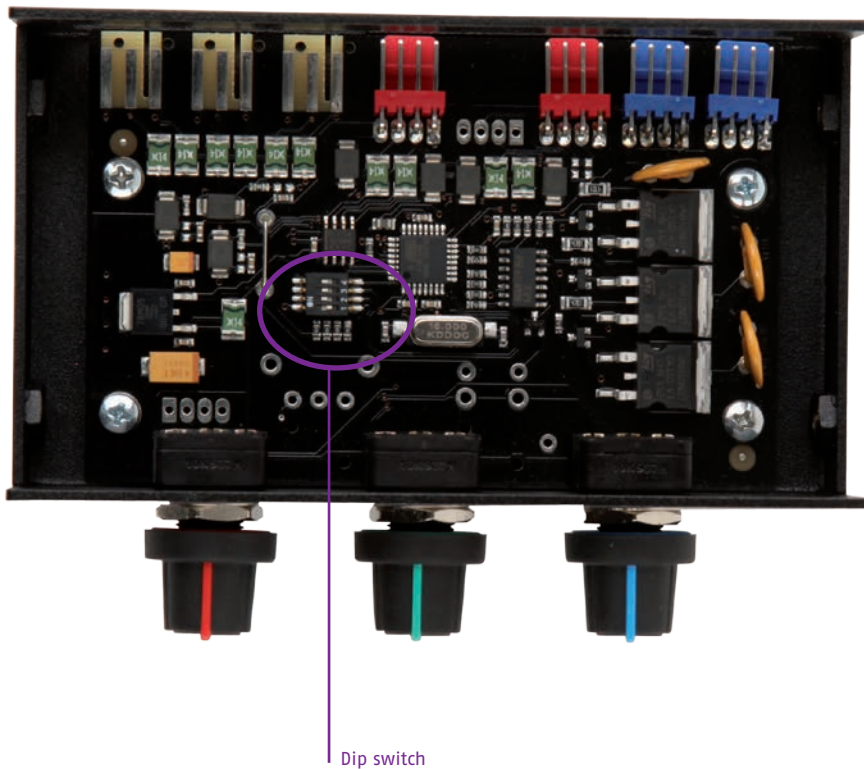
In normal operation the Data Power OUT to LED 2 and From LED 2 should be connected together. Otherwise the data is not passed on and the XLR 4pin output (on the Big Intelli XLR) will not function.

Dip switch settings

A small set of dip switches are located on the circuit board which set the functions of a Big Intelli unit.

See the table below for details of which switch controls which function.

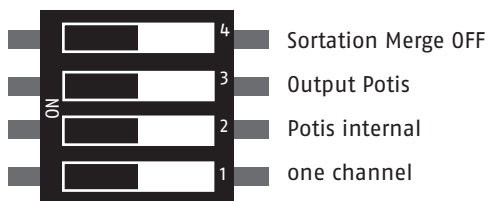
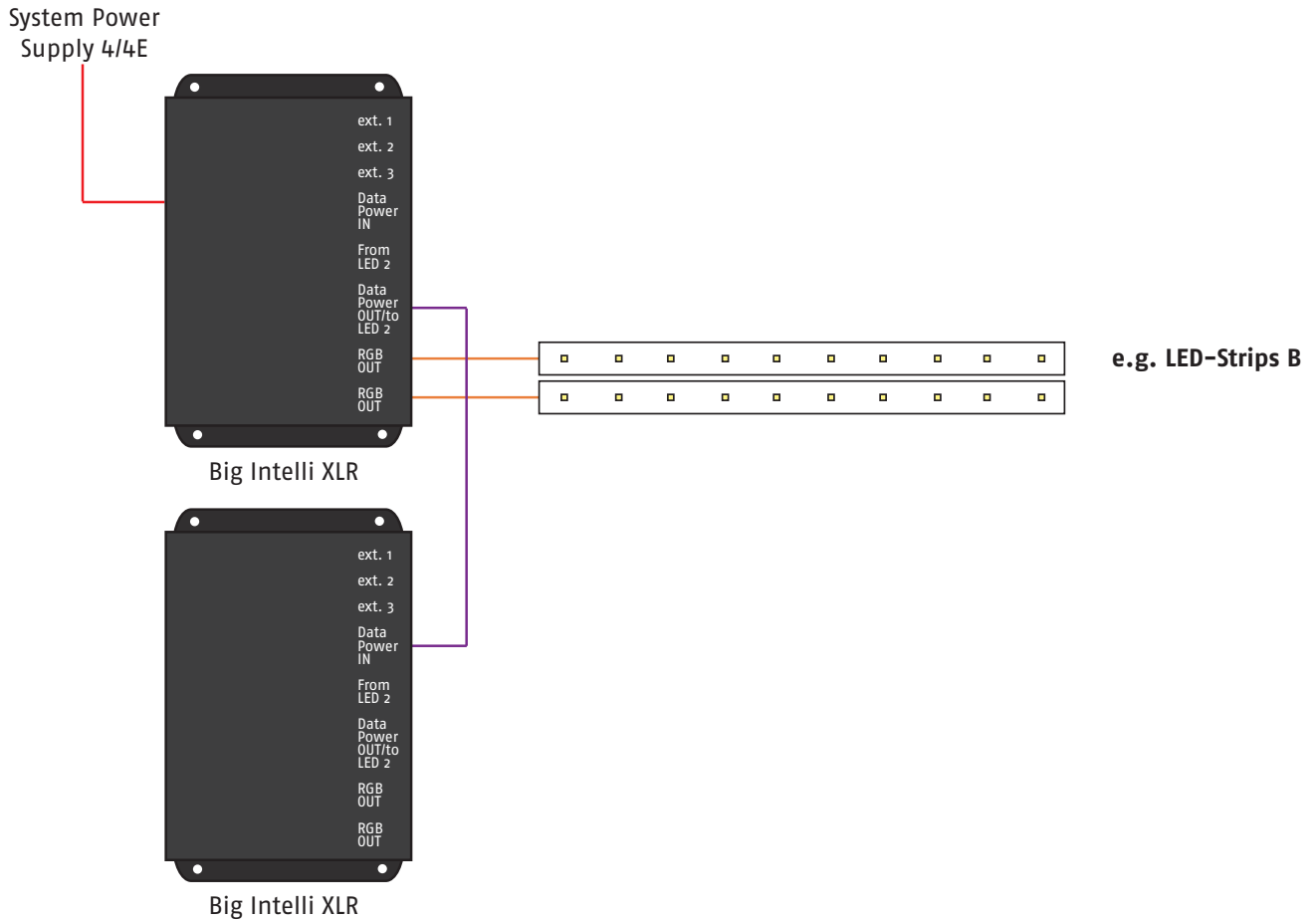
Switch	Function	OFF	ON
1	Channels	3	1
2	Potentiometers	Remote	On-board
3	Output	DMX	three output DMX dimmed RGB
4	Merge	Off (see switch three for output type)	HTP-Merge Potis and DMX IN



* In the cover of every Big Intelli see this table as explanation.

Cabling

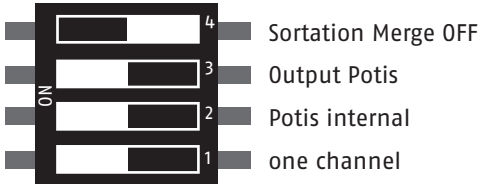
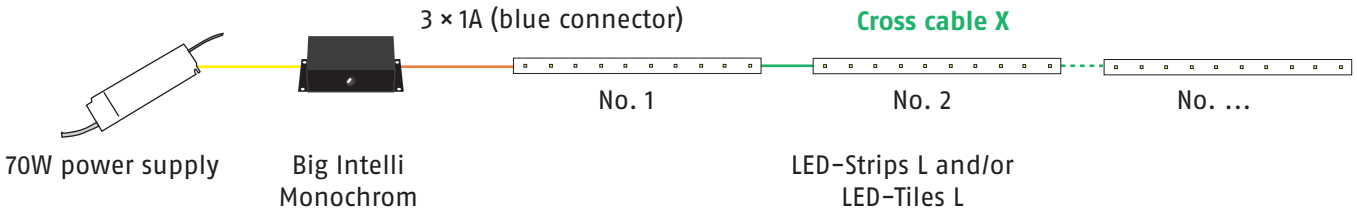
Wiring Examples Big Intelli XLR



white = switch position

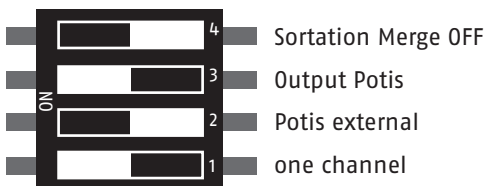
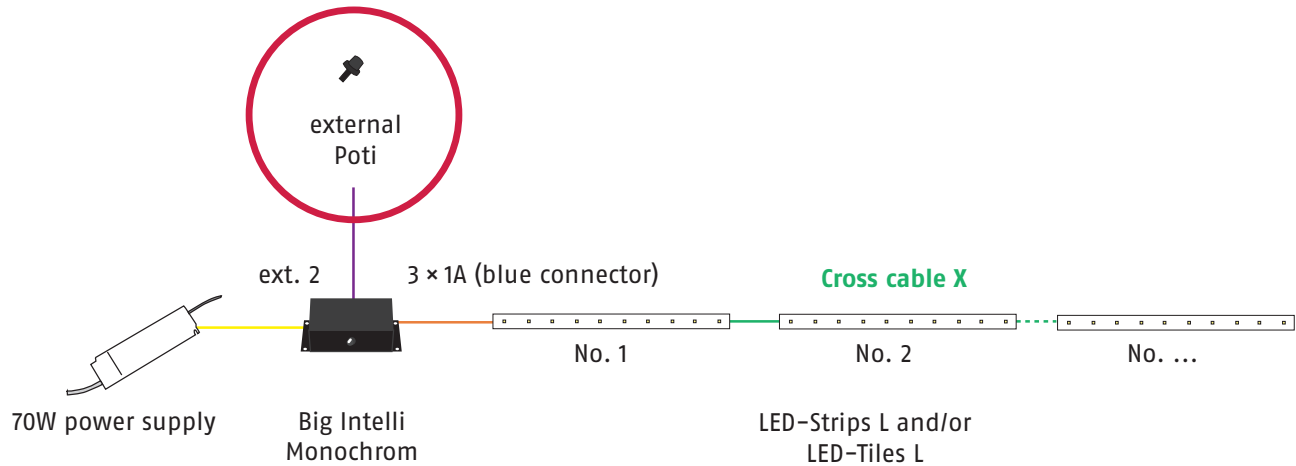
- DVI/SDI
- DMX XLR 5-pin cable
- XLR 4-pin cable
- 24V DC RGB anode, PCB link cable blue
- 24V DC DMX, PCB link cable red
- Cross cable
- Power cable HAN B24 (maximum 30m)
- CAT6-Network cable
- Supply 24V

Wiring Examples Big Intelli Monochrome



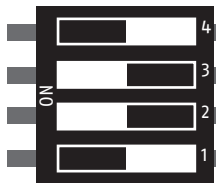
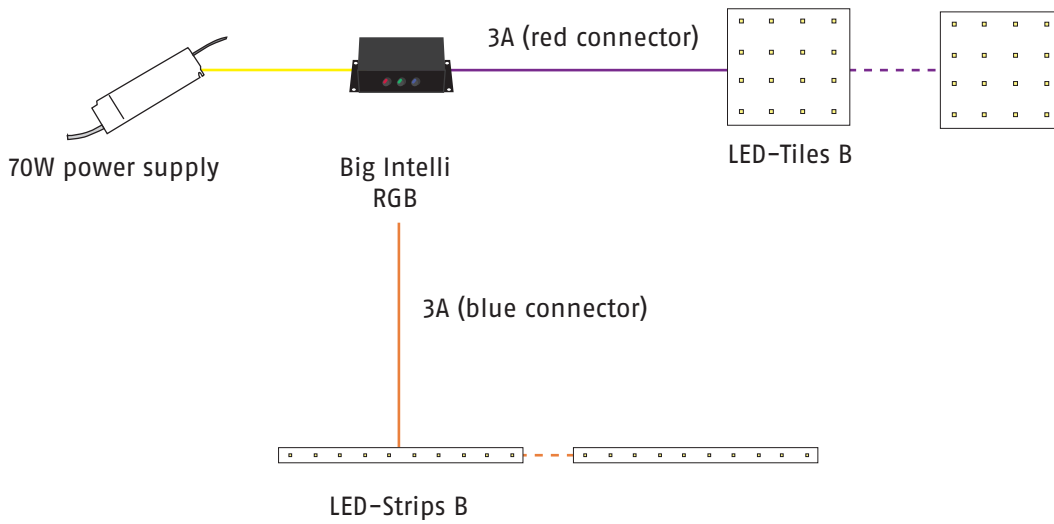
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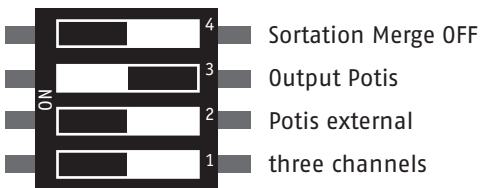
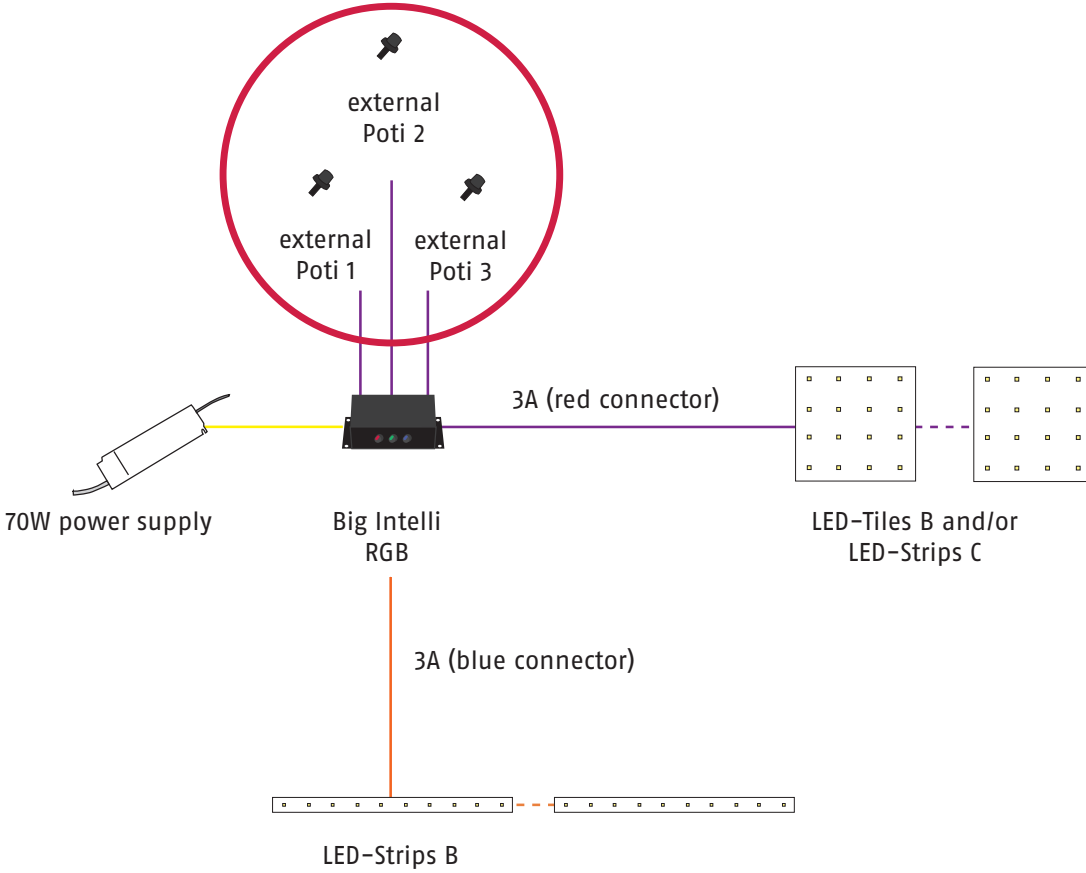
white = switch position

Wiring Examples Big Intelli RGB



white = switch position

- DVI/SDI
- DMX XLR 5-pin cable
- XLR 4-pin cable
- 24V DC RGB anode, PCB link cable blue
- 24V DC DMX, PCB link cable red
- Cross cable
- Power cable HAN B24 (maximum 30m)
- CAT6-Network cable
- Supply 24V



- DVI/SDI
- DMX XLR 5-pin cable
- XLR 4-pin cable
- 24V DC RGB anode, PCB link cable blue
- 24V DC DMX, PCB link cable red
- Cross cable
- Power cable HAN B24 (maximum 30m)
- CAT6-Network cable
- Supply 24V

Technical Data

Dimensions	150,80mm × 69mm × 45mm (W×H×D)
Operating voltage	24V DC
Current	maximum 3A per output, maximum 6A by XLR
Protocol	DMX 512 A-1990 USITT

Why Schnick Schnack Systems?

As installation times become increasingly shorter the complexity of systems simultaneously increases as do the requirements of customers.

We are a supplier who delivers high-quality reliable systems – under tight deadline constraints that are not only quick to install but also simple to operate and service.

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