



Built in 10 Macros, each can sequence up to 50 IR codes with different Time delay between IR Codes to transmit between 0 seconds up to 30 minutes. Universal Infra Red code Emitter with built in dual Range 2A current sensor and Macro cyclic function. The innovative current sensor idea to check if the up to 2 electronic equipments are running or any is turned off to prevent sending Power Toggling IR code. Each module Can save up to 255 IR codes then can be used for Home theater equipment, Multi Media systems control, IR Remote motorized Curtains Split AC control, and several other IR Controlled devices. Ready trigger Using single on command. .  
 \*\*Added function: Bigger screw terminals, Broadcast button, and mini USB firmware upgrade port.

**technical data**



**Macro Function**

Built in multi systems Macro ability (10 Macros each accept 50 IR commands), Cyclic Start point ability to reset macro even if changed manually. (e.g. Watch DVD, Listen to Music, Watch TV)

**Universal Coded**

IR Emitter can save up to 255 universal unique IR codes

**Current Sensor**

Accept 2A Maximum Load, with 0-255 Range to detect if 2 equipment is operational or off, like TV, DVD, Set top Box ++

**Control IO**

1 x Advanced RS485 S-BUS serial port links screw link type

**Upgrade**

1 x mini USB port (to connect to special programming board)

**User Controls**

- LED status indicator/channel
- Diagnostic LED+ BROADCAST

**Programming**

Advanced Software Configuration & Programming. Single On Trigger command ready per macro.

**Compliance**

CE Mark EMC, Rohs

**Operation Protection**

- BUS Rv. Polarity Protection
- BUS Short Circuit Protection

**Applications**

The IR Emitter has successfully proved its ability in control of many 3rd party IR controlled systems like: HVAC, Curtains, Drapes, TV's, DVD's, Set Top Sat Boxes, Stereo equipment, AV receivers, Projectors...etc.

**IR code learning**

Must use SBIRL-kit "IR-learner" to encode all devices IR codes needed.

**SBUS DC Supply**

24VDC with flexible tolerance between 8-36VDC. Flexible ability to add power supply as to be needed any where  
 Power consumption: 15mA

**Installation**

- universal Mount Ready

**Operating Environment**

0° to 45°C ambient temperature  
 20% to 93% RH

**Enclosure material**

Polycarbonate,

**Dimensions & Weight**

W 46mm x L 46mm x H 16mm  
 Packed weight 0.06 kg



**control compatibility**



- all standard universal IR enabled equipment (that can be controlled using IR signals)



**commercial**



GTIN (UPC-EAN):  
 Patent P. No: 201110123081.0

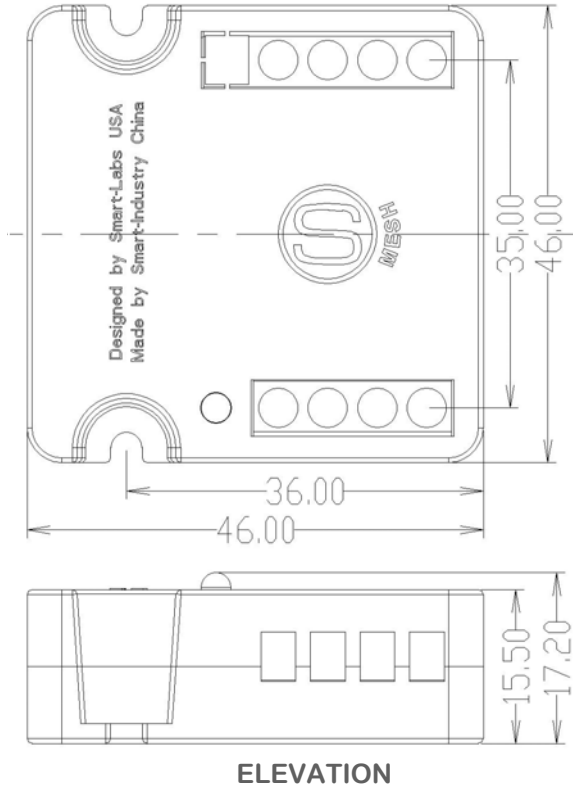
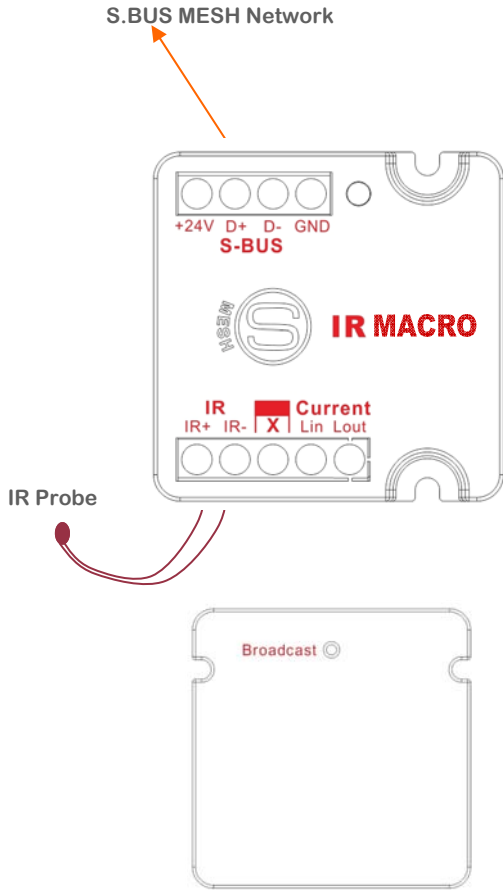


0 610696 254993

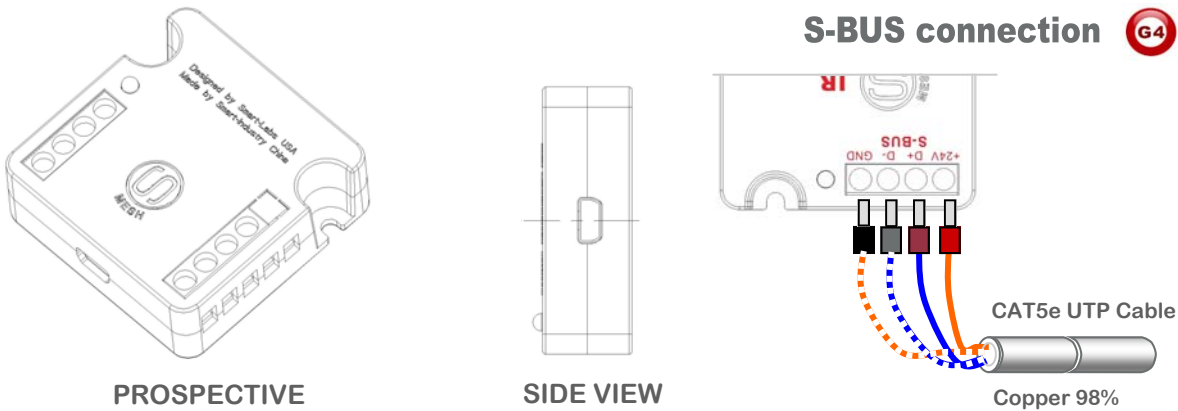


connection diagram

mounting dimensions



S-BUS connection



UTP core colors

S.BUS +24V		orange
S.BUS GND		w/orange
S.BUS D+		blue
S.BUS D-		w/blue
Spare		green
Spare		w/green
Spare +12v		brown
Spare -12V		w/brown



www.smarthomebus.com • info@smarthomebus.com  
USA - Germany - Denmark - Hong Kong - Jordan - China - UAE

SB-G4 Data Sheet Rev 1.5 released Sept 2012

Specifications subject to change without notice. © Smarthome® -Group Trading as Smart-BUS®, Texas 77043 - USA. All rights reserved. Smart Mesh®, Smarthome BUS® and all other associated logos are the registered trademarks of Smart-Group®. Not to be used nor reproduced without written permission. All Patents and IPO's Remain owned by SmartHome® Group