BIC3

BLUETOOTH® CONTROLLER
FOR INTELLIGENT LED TAPE

Item ref: 153.840UK

User Manual

⚠	Caution: Please read this manual carefully before operating Damage caused by misuse is not covered by the warranty

WARNING: This controller is intended for professional installation of Lyyt intelligent RGB LED tape and should be connected by qualified personnel in accordance with electrical safety standards.
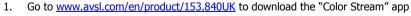
Application

The BIC3 controller can be connected to a Lyyt Intelligent Tape Extension Kit (156.760UK) to provide programmable Bluetooth control of 99 chase programs and 16 million static colours.

Further extension kits can be connected in a chain of up to 50m long, since each 5m kit is provided with its own power supply, which needs to be connected at the end of each reel. The BIC3 will operate all the connected reels of intelligent tape as a single synchronized system.

Smartphone control

Before remote control is possible, it is necessary to download the free app to a smartphone.

1. Go to www.avsl.com/en/product/153.840UK to download the "Color Stream" app
2. Download the free application to the smartphone
   (it may be necessary to enable installation from unknown sources)
3. Enable Bluetooth on the smartphone and scan for Bluetooth devices
4. The BIC3 will have a Bluetooth ID "LED-xxx", where "xxx" is its serial number
5. Connect to this device and open the Color Stream application

The Color Stream application has 3 edit screens for Static (6), Dynamic (5) and Setup (4) menus.

In Static mode, a slide bar sets the hue and a vector pane sets the saturation.

Alternatively, tapping one of the R/G/B buttons above the vector pane enters manual mode.

In this mode, individual levels for Red, Green and Blue are set by 3 roller controls.

In Dynamic mode, a list of preset pattern sequences are available to choose from.

Selecting one of these will apply the pattern to the LED tape with slider controls for speed and mode length. In Static or Dynamic mode, settings can be saved to the BIC3 by using the Save button (3).

Tap on one of the 16 squares and the current setting will be saved to that program memory.

These programs can be recalled via the Favourites button (2) or via optional remote control.

The On/Off button (1) switches the LED tape on or off.

Pressing the Setup button switches to a screen with 3 options.

Tick the first option for automatic Bluetooth reconnection whenever in range (7).

Tick the second option to enable control by an optional WRC3 or HRC3 remote (8).

The third option is to set smooth switching from very slow to direct (9).

To pair a HRC3 or WRC3 remote to the BIC3 controller, do the following.

Power off the BIC3 controller, then reconnect power to the controller.

Within the first 5 seconds, press and hold the On/Off and Down buttons on the HRC3 or WRC3 remote.

Up and Down keys will now step through memories stored in the BIC3.

On/Off will switch the LED tape on or off, whilst keeping the last setting.

Specifications

Power supply (input/output)	12Vdc (supplied with 156.760UK tape kit)
IP rating	IP63
Bluetooth version	Bluetooth v 2.1/4.0 Class 2
HRC3 / WRC3 (optional) remote control RF frequency	433.92MHz
Internal programs	99 preset chases and patterns or 16 million static colours
Internal protection	Overheat, short-circuit
Connections	DC5521 jack input + 4-pin output
Controller dimensions	90 x 20 x 10mm
Weight	29g