

# VIDEO LINE CORRECTOR

TYPE BH74 / BB

DATA SHEET

- Designed for use with twisted pair cable
- 230V or 110V operation
- 45dB equalisation at 5MHz
- Suitable for colour or monochrome cameras



## Application

This unit is intended for situations where the losses in a twisted pair cable run exceed -45dB at 5MHz and a repeater unit is required.

Suitable for colour or monochrome video signals the unit will equalise the incoming cable losses to a maximum of 45dB at 5MHz.

Controls on the sides of the unit provide the following: GAIN, LFL, MFL, HFL1, HFL2, HFL3, HFL4, INPUT IMPEDANCE and INPUT /OUTPUT BALANCE.

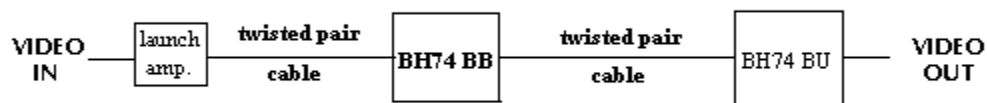
Adjustment of these controls enables the installer to equalise the incoming video signal and compensate for the cable losses.

**Addlestone Electronics Ltd.**  
DESIGNED AND MANUFACTURED IN UK

# TECHNICAL DATA

## BH74/BB

INPUT SIGNAL REQUIREMENTS	Composite video using colour / monochrome signals or other wide band signals within a frequency bandwidth of 30Hz to 5MHz.
INPUT SIGNAL AMPLITUDE	Nominal 2 volts peak to peak (Balanced)
OUTPUT SIGNAL AMPLITUDE	Nominal 2 volts peak to peak (Balanced)
AT UNITY GAIN	Differential Phase < 3 degrees / Differential Gain < 3%.
INPUT IMPEDANCE	Factory set at a nominal 150 ohms (adjustable between approx. 70 and 230 ohms).
OUTPUT IMPEDANCE	150 ohms (balanced).
INPUT/OUTPUT CONNECTIONS	Miniature PCB sockets.
CORRECTOR RESPONSE IN BAND	Adjustable to compensate for frequency dependent cable losses to a maximum of 45dB at 5MHz.
LIFT CONTROLS	7 lift controls are fitted: GAIN, LF, MF, HF1, HF2, HF3 and HF4. These controls allow individual adjustments within the video passband.
<b>INPUT/OUTPUT BALANCE</b>	The balance of both the input and output signals may be adjusted to obtain the best picture.
AC INPUT CONNECTOR	IEC type connector, 3 pole fixed plug.
POWER REQUIREMENTS	Nominal 230V 50Hz or 110V 50 Hz $\pm 15\%$
POWER CONSUMPTION	Approximately 5.8 watts at 230V 50Hz.
PERMISSIBLE AMBIENT OPERATING TEMPERATURE	-10°C to +40°C.
EQUIPMENT CASE DETAILS	Housed in grey polystyrene case, designed for free standing use.
WEIGHT OF EQUIPMENT	800 grammes.
DIMENSIONS OF EQUIPMENT	Height 70mm Depth 120mm excluding connectors Width 180mm



### ADDLESTONE ELECTRONICS LTD.

Springfields, Church Lane,  
Bisley, Woking, Surrey. GU24 9EA  
Telephone: (01483) 480969 Fax: (01483) 797268  
E-mail: sales@addlestone-electronics.co.uk  
Web Site: www.addlestone-electronics.co.uk

