

# VIDEO LINE CORRECTOR

TYPE BH74 /UB

DATA SHEET

- Coax input / Twisted pair output
- 230V or 110V operation
- 45dB equalisation at 5MHz
- Suitable for colour or monochrome cameras



## Application

This unit can be used where a cable run is using a combination of both coax and twisted pair cable.

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

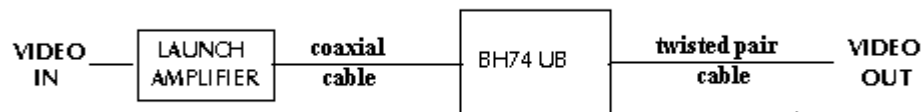
Controls on the sides of the unit provide the following: GAIN, LFL, MFL, HFL1, HFL2, HFL3, HFL4 and OUTPUT BALANCE. Adjustment of these controls enables the installer to equalise the incoming video signal and compensate for the cable losses.

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

# TECHNICAL DATA

## BH74/UB

INPUT SIGNAL REQUIREMENTS	Composite video using colour/ monochrome signals or other wide band signals within a frequency bandwidth of between 30Hz to 5MHz.
INPUT SIGNAL AMPLITUDE	Nominal 1 volts peak to peak (Unbalanced).
OUTPUT SIGNAL AMPLITUDE	Nominal 2 volt peak to peak (Balanced).
AT UNITY GAIN	Differential Phase < 3 degrees / Differential Gain < 3%.
INPUT IMPEDANCE	75 ohms.
OUTPUT IMPEDANCE	150 ohms.
INPUT/ OUTPUT CONNECTIONS	75 ohm BNC connector for input / miniature PCB socket for the output.
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.
SWITCH FUNCTION	Switched in when using RG59 coaxial cable.
OUTPUT BALANCE	This is factory set but is adjustable if required.
AC INPUT CONNECTOR	IEC type connector, 3 pole fixed plug.
POWER REQUIREMENTS	Nominal 230V 50Hz or 110V 50Hz, the equipment is normally supplied for 230V operation. The unit will continue to operate correctly should the AC input supply vary $\pm$ 15%.
POWER CONSUMPTION	Approximately 6.0 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



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