

TYPE BH207
1 IN / 4 OUT VIDEO DISTRIBUTION AMPLIFIER
Installation Guide



CAUTION

- ◆ Protect unit and power supply from rain / excessive moisture.
- ◆ Do not use the 12V power supply if its casing has been damaged.

APPLICATION

The BH207 unit will split a video signal into four identical outputs with no loss of signal strength or quality. The BH207 is an active amplifier and has adjustment of the gain and high frequency lift if required. Fully RoHS compliant.

CONTENTS

When you open the packaging you should find the following:

- 1 x BH207 unit
- 1 x Type BH98 12V DC power supply.
- 1 x Installation guide

END OF LIFE DISPOSAL

When this product eventually reaches the end of its working life it needs to be disposed of correctly to prevent damage to the environment. It should not be disposed of with general household type waste.

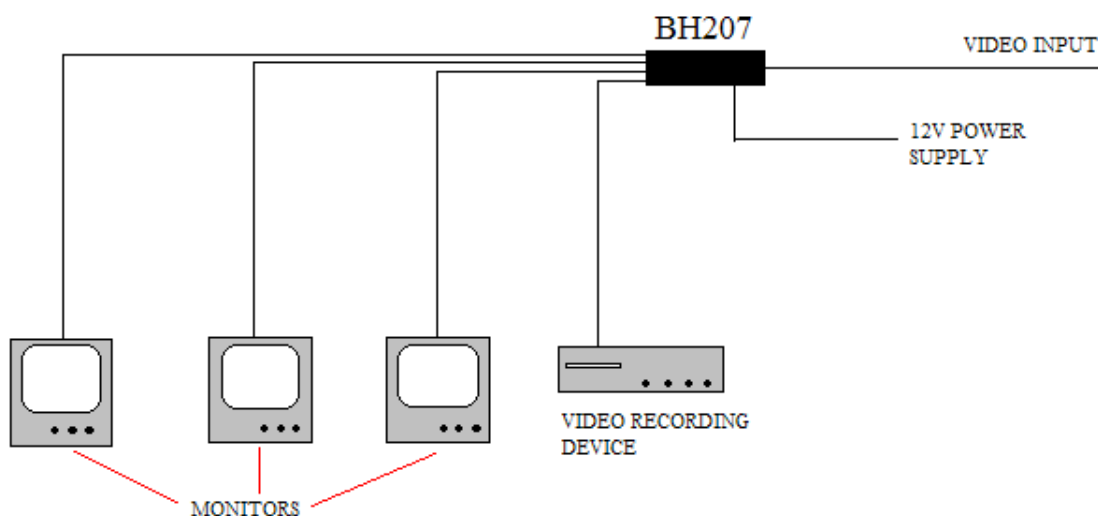
If you phone WeeeCare plc on 0844 800 2004 and quote our Account Number **135027** they will arrange collection of this product from you. They will then correctly dispose of the unit and recover any materials that may be recycled and reused. There will be no charge to you for this service.

INSTALLATION

The BH207 unit may be installed at any convenient point along the cable run. The 12V DC supply is connected to the spring-loaded connector labelled '12V DC'. The wire from the plug-top power supply with the white stripe or white dots is the positive wire. If you are not using the BH98 power supply included with the unit any 12V DC supply used must be regulated. An LED next to the 12V connector shows when power is connected.

The video input is connected to the BNC coax connector labelled 'VIDEO IN 75R'. The four video outputs are connected to the BNC coax connectors labelled 'VIDEO OUT 75R'. The signal outputs from the four BNC connectors will be identical to each other.

DIAGRAM SHOWING AN EXAMPLE OF THE BH207 UNIT BEING USED TO DRIVE FOUR ITEMS OF EQUIPMENT



ADJUSTMENT

The BH207 unit is adjusted in the factory for Unity: An input signal of 1.0V peak to peak @ 75R will give an output signal of 1.0V peak to peak @ 75R.

If the input signal is poor or the monitors or other items of signal receiving equipment are some distance from the BH207 unit it will help to increase the signal output of the BH207 unit. The unit has two controls; one for adjustment of the gain (GAIN) and one for adjustment of the high frequency lift (HFL). These controls are adjusted clockwise to increase the output level.

The GAIN control will adjust the peak to peak amplitude of the video signal – this will affect the brightness of the picture on the monitor. The high frequency component of the video signal carries information on fine detail and colour.

OPERATION

Once the BH207 unit has been correctly installed and adjusted it is not normally necessary to make any further adjustments for the life of the installation provided there are no significant changes to the cable run or associated equipment.

TECHNICAL INFORMATION

INPUT SIGNAL	Nominal 1.0 Volt pk-pk composite video signal. Suitable for either colour or monochrome video.
INPUT IMPEDANCE	75 Ohms
OUTPUT SIGNAL	1.0V pk-pk @75R (with unit correctly adjusted) at each of the four outputs.
AT UNITY GAIN	Differential Phase <2 degrees. Differential Gain < 2%
NUMBER OF VIDEO OUTPUTS	Four
GAIN CONTROL	Variable from -2dB to +6dB
HF LIFT CONTROL	Variable from -0.3dB to +6.0dB
SIGNAL INPUT CONNECTOR	BNC type coax connector
SIGNAL OUTPUT CONNECTORS	Four BNC type coax connectors
SURGE PROTECTION	Transorbs fitted as standard
POWER REQUIREMENTS	12V DC regulated supply for BH207 unit. 230V AC for type BH98 power supply
POWER CONSUMPTION	The BH207 unit requires 0.45W
OPERATING TEMP. RANGE	-30 to +45 degrees Celsius
DIMENSIONS OF UNIT	Length 132mm, Width 45mm Height 23mm (excluding connectors)

If you have any problems or require information concerning this product please contact us at the following address:

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