

## Menu Functions

<b>Gain</b>	Adjusts the Gain from -3dB to +18dB in 3dB steps.
<b>Red Gain</b>	Requires White Balance to be set to Manual
<b>Blue Gain</b>	Requires White Balance to be set to Manual
<b>Detail</b>	Adjusts the detail level from 0 to 15. Normal setting is around 5.
<b>Shutter Speed</b>	Adjusts the shutter speed from 1/2sec to 1/10,000 sec.
<b>White Balance</b>	Includes BARS if available
<b>Gamma</b>	There are 3 levels of gamma available.
<b>Master Pedestal</b>	Not available for the BE_HD10
<b>Output Standard</b>	SD or HD in 8 different standards
<b>Iris Range</b>	Set to 18 for BE_HD10 or 255 for broadcast lenses
<b>Pan Speed</b>	High or Low
<b>Tilt Speed</b>	High or Low
<b>Reverse Pan/Tilt</b>	Cycles through the 4 direction combinations
<b>Zoom Reverse</b>	Reverses the direction of the zoom control
<b>Focus Reverse</b>	Reverses the direction of the focus control
<b>Head Select</b>	Selects control of another remote head 1-99
<b>Change Head ID</b>	Re-assigns the ID of the current head
<b>Reset ALL to #1</b>	Re-sets all connected heads to ID #1
<b>Infra Red Mode</b>	Toggles the IR mode on or Off
<b>Power Up Memory</b>	Set/Clear. This feature can only be used with a <b>Protocol Converter</b> . Setting the memory will store the current Zoom and Focus positions in the <b>Protocol Converter</b> and reset them every time it powers up.
<b>Store Position</b>	Stores the current position head and camera as a preset position 1-99
<b>Go To Position</b>	Recalls the previously set positions 1-99
<b>Digital Zoom</b>	Digital Zoom On/Off
<b>Remote Relay</b>	Commands a remote relay On/Off
<b>Auto Focus</b>	Auto Focus On/Off
<b>Zoom Limit</b>	Sets the current zoom position as the zoom in limit.

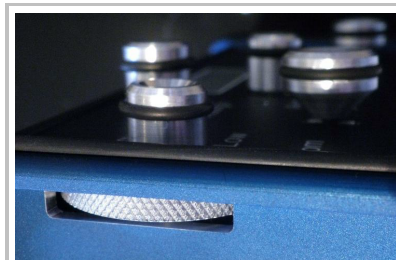
## Zeroing the controls

Should the Pan, Tilt or Zoom controls appear to be off-centre (sometimes this will induce drift) the controls can be electrically re-centred.

Whilst the AUX LED is flashing at power-up, push the AUX button.

## Specifications

Power:	12v, 200mA
Dimensions:	W.165mm, D.90mm, H.35mm
Output:	RS485 or RS232c
Max Cable Length:	<b>1km</b> (with RS485 device or protocol converter)



# Instructions

# Micro Controller

## Operating Instructions



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The **Micro Controller** is a very small but powerful controller for cameras and remote heads. Almost all Bradley Engineering functions can be accessed from this tiny controller via the LCD menu and the dedicated knobs and buttons.

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### Connections

There is just 1 XLR4 connector recessed into one end of the unit. This socket inputs power via 2 pins and outputs data on the other 2 pins. A dedicated 'Y' cable is supplied to break out this socket into industry standard, individual XLR connectors.

Pin 1 - GND  
Pin 2 - Data A (RS485)  
Pin 3 - Data B (RS485)  
Pin 4 - Power In

### Primary Functions

The primary functions are accessed directly via the dedicated knobs and buttons. The LCD display will show the values as they are changed.

**Pan & Tilt** The thumb operated joystick on the right controls pan and tilt. Touching down this joystick puts the remote head into its top speed for fast repositioning. Releasing the touch down reverts the head to the previous speed setting. Both axes can be reversed via the LCD menu.

**Zoom** The left side joystick moves only forwards and back and controls the zoom. The direction can be reversed via the LCD menu.

**Focus** The focus control is illuminated blue and on the extreme left of the console. It can be operated either from the top of the panel or with the knurled wheel in the recessed end plate. The direction can be reversed via the LCD menu.

Depressing this knob once changes the focus to fine or coarse control. When the focus is in coarse mode the blue LED is bright.

**Iris** Rotating the Iris knob adjusts the iris setting from F1.6 to F28. The setting will be shown briefly in the LCD display as it is adjusted.

**Rec/Stop** The Record / Stop button illuminates Red when a record command is sent.

**Assign** This is a touch down knob. When touched down and simultaneously rotated the **menu** page is changed. When the desired page is displayed release the touch down and the knob now controls the value of the setting.

**Aux** The Aux button is used in conjunction with the **menu** to send the value selected with the knob. The display indicates when this is required.