



Rx45X



## Advanced Multiple Protocol AC Receiver



### Application Notes

The Rx45X MK5 is designed to control fixed speed AC pan & tilts heads from BBV and Baxall up-the-coax telemetry and a range of BBV485/422 telemetry protocols.

The receiver offers system designers the option of using traditional P/T/Z heads for applications where

### Features

- 230Vac / 110Vac input switch selectable operation; 24Vac is a factory fitted option
- 32 full preset scenes are programmable
- On-screen display for remote configuration and menu programming
- LCD display for local configuration and menu programming
- Privacy Zones
- 8 local alarm inputs and one alarm output to minimise cabling requirements
- Built in remotely adjustable launch amplifier provides cable loss compensation for optimum picture quality
- Auxiliary output voltage switch selectable; Supply voltage / 24Vac
- 12Vdc 500mA camera supply provided
- Iris override provided
- Inching function provides fine lens control
- PAL / NTSC compatible
- Mounted in a weather proof enclosure.
- Simple to install



### Building Block Video Ltd

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## Technical specification

<b>Power supply</b>	<ul style="list-style-type: none"><li>• 230Vac / 110Vac; 24Vac factory fitted option</li></ul>
<b>Max load</b>	<ul style="list-style-type: none"><li>• 5A @ 230Vac 1150W @ 110Vac 550W @ 24Vac 120W</li></ul>
<b>Receiver current draw</b>	<ul style="list-style-type: none"><li>• 24VA</li></ul>
<b>Fuses</b>	<ul style="list-style-type: none"><li>• F1 Secondary Automatically resetting thermal fuse</li><li>• F2 Primary Fuse TR 3.15A</li><li>• F3 Auxiliary Fuse 5A T 20mm</li></ul>
<b>Outputs</b>	<ul style="list-style-type: none"><li>• 8 single pole relays (snubbed) supply voltage or 24Vac switch selectable</li></ul>
<b>Features</b>	<ul style="list-style-type: none"><li>• 1. Left Motor 2. Right Motor 3. Up Motor 4. Down Motor</li><li>• 5, Autopan (interlocked with pan. 6. Lights (1000W max)</li><li>• 7. Wash 8. Wipe</li><li>• On-screen display for remote configuration and menu programming</li><li>• LCD display for local configuration and menu programming</li><li>• LED readout for continual system status</li><li>• Video launch amplifier provided with cable length adjustment</li><li>• 12Vdc camera power outlet provided</li><li>• Colour coded outlets – live, neutral and earth, low voltage</li></ul>
<b>Video Input</b>	<ul style="list-style-type: none"><li>• 1V p-p 75 ohm terminated input via BNC socket</li></ul>
<b>Video output</b>	<ul style="list-style-type: none"><li>• 1V to 4 V p-p 75 ohm impedance via BNC socket</li></ul>
<b>Auto iris output</b>	<ul style="list-style-type: none"><li>• Returns to original setting 15 seconds after key release. Level programmable from either local or remote controller</li></ul>
<b>Lens drive</b>	<ul style="list-style-type: none"><li>• Adjustable via menu between 3 – 12Vdc from receiver and remotely from configuration menu.</li><li>• Inching speed selectable via menu between 0-12V. One second inching built in. Provides drive for zoom and focus. Each lens drive carries red and green LEDs to indicate direction and drive voltage</li></ul>
<b>Preset Positioning</b>	<ul style="list-style-type: none"><li>• Inputs are provided for pan, tilt, zoom &amp; focus preset feedback pots. These are 10 bit resolution for zoom &amp; focus, 13 bit for pan &amp; tilt. Up to 32 full-scene presets can be stored within the receiver i.e. pan, tilt, zoom, focus for each position. (16 full-scene presets in BBV &amp; Baxall up- the-coax telemetry)</li></ul>
<b>Installation</b>	<ul style="list-style-type: none"><li>• Supplied in a molded polycarbonate weather proof box. The box has mounting holes allowing easy installation</li></ul>
<b>Dimensions</b>	<ul style="list-style-type: none"><li>• Width: 380mm Depth: 190mm Height: 130mm</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 3.9Kg</li></ul>
<b>Rating</b>	<ul style="list-style-type: none"><li>• IP56</li></ul>
<b>Temperature range</b>	<ul style="list-style-type: none"><li>• -10C to +40C</li></ul>
<b>Colour</b>	<ul style="list-style-type: none"><li>• Plastic case in RAL 0735</li></ul>



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**Supported Protocols (V6 software)**

BBV422,	Dennard, RS485
Baxall Standard & Alternate Up-The-Coax	Meyertech,
BBV 20mA (via additional 20mA Converter)	Molynx Type – D RS485
Philips RS485 (Bi-Phase via optional card),	Pelco P
Coe RS485	Pelco D
Sensormatic/AD RS422	Vicon RS422



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