BBV Rx 100 *Interface Receiver*

Addendum to manual for the following dome:

Pelco Spectra (P-mode RS485 protocol)

Software version RX1_P2V9
(For use with 97002 pcb issue 4)

Application Notes

Variable speed Pan/Tilt.
Zoom/Focus, Autofocus
16 full scene presets
2 preset patrols
4 alarm inputs driving to preset 1 - 4
Dome Pattern definition and playback
Autopatrol 5 minutes after last pan/tilt activity selectable with J6/4-5, Link removed = patrol enabled

Advanced Features	Tx1000	Tx400	DM-Sprite	DM-DSL/DS/DS2
Display dome menu (preset 95)	'#' WASH	'#' 1	*889 002	*889 10 10 2
Enter within menu (iris open)	'#' WIPE	'#' 2	*889 003	*889 10 10 3
Pattern define start	'#' AUTOPAN	'#' 3	*889 004	*889 10 10 4
Pattern define stop	'#' LIGHTS	'#' 4	*889 005	*889 10 10 5

To record a Pattern, direct the camera to the required starting position. Hold '#' and tap 'AUTOPAN'. The dome will now record pan/tilt and lens movement up to a time limit. To stop the recording, hold '#' and tap 'LIGHTS'. To play the recorded Pattern, press the AUTOPAN key only. The dome will repeatedly run the Pattern until either the joystick is moved or an alarm occurs.

(The example shows Tx1000 keystrokes, please substitute the keystroke for the controller used.)

Menu access:
Use '#' WASH to display menu. Navigate using the joystick and IRIS OPEN to select. When used with control systems without iris keys, eg DM Digital Sprite Lite, use *889 003 or *889 10 10 3

Return to home: Can be programmed from the Dome menu.

RS485 control of dome. Data rate, 9600 Baud, No parity, 8 Data bits, 1 Stop bits

Connection details:

Dome	Description	Rx100
RX-	RS485(B) input	J3/C1
RX+	RS485(A) input	J3/C2

Notes:
The alarm output relay opens for approx 5 seconds upon power up. This can be used to signal power loss, etc.
*Check with the DM multiplexer manual for exact procedure for entering * commands.*

Dome settings: Select dome address 1, P-MODE PROTOCOL and 9600, N, 8, 1.

Link J6/1-2 is used to select the function that is used to drive the Esprit AUX outputs.

Function	J6/1-2 Link fitted Esprit AUX No	J6/1-2 Link removed Esprit AUX No
LIGHTS	1	2
WIPER	2	1
WASHER	3	3

Short the test link to pan the dome LEFT and ZOOM IN. Remove the link to stop pan and ZOOM OUT. This will confirm correct wiring between the Rx100 and the dome.

RX1_P2V9 software – Added preset patrol after 5 minutes of inactivity. Remove the link between J6/4-5 to enable the patrol, fit the link to disable which is the default setting.