

BBV Rx100/Philips Interface Receiver



Addendum to manual for the following dome:

Philips AutoDome including G3A and G3B
(RS232 control only, not Bi-Phase compatible)

(Software version RX1_P3V5)

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 AutoPlay record & playback. Preshot title, Zone title, Menu Access

Advanced Features		BBV Tx1000	BBV Tx400	DM Sprite/DSL
Display Menu	(Aux 40)	'#' WASH	'#' 1	*889 002
Program Zone Title	(Aux 63)	'#' WIPE	'#' 2	*889 003
Record AutoPlay start/stop	(Aux 100)	'#' AUTOPAN	'#' 3	*889 004
Dome Factory default	(Aux 40)	'#' LIGHTS	'#' 4	*889 005

RS232 control of dome. Data rate, 9600 Baud, No parity, 8 Data bits, 1 Stop bits

Connection details:

Two build specifications of Rx100 are available dependant upon if U4 or U2 are fitted. Please refer to the following table.

Dome	Description	Rx100(U4 fitted)	Rx100(U2 fitted)
RxD	RS232 I/P	J3/C1	J3/C3
Gnd	Gnd	J3/GND	J3/GND

Notes:

Configuration links:

J6/pin 1-2 is used to select the address that the Rx100 outputs. Fitted = Address 1, Removed = Address 10,000.

Fitting the link allows the receiver to be used as an alarm input unit for domes that are controlled using bi-phase telemetry. This will work with late model domes with post 2002 software.

J6/pin 4-5 Fitted – preset title text is programmed following a save preset command by automatically issuing a aux(62) command.

Removed – the preset text command is not sent and the existing text is retained.

The alarm output relay opens for approx 5 seconds upon power up. This can be used to signal power loss, etc.

The dome must be RS232 controllable. BI-PHASE domes cannot be controlled.

Dome settings: Select dome address #0 or #1. Communications must be 9600, N, 8, 1. The G3 Basic address is software programmable, however as default the dome is addressed as #0. If the dome address is not #0 or #1 then the dome will require reprogramming using a Philips controller.

Using the advanced features when using a BBV Tx1000DC

Menu Access: Press and HOLD # and tap WASH will display the dome's menu

Use the joystick to navigate the cursor. **FOCUS FAR** or **FOCUS NEAR** can be pressed to enter the next menu item or to return press either **IRIS OPEN** or **IRIS CLOSE**. When completely out of the menu issue a goto preset command to put the Rx100 into normal mode. Press and HOLD **PRESET** whilst tapping 1 will move to preshot 1.

Program Zone Title: Press and HOLD # and tap WIPE will allow the title for the current zone to be programmed.

Use the joystick as described on screen. Use the following keystrokes to program the text:

FOCUS NEAR – Select a current character, **FOCUS FAR** – Clear character, **IRIS CLOSE** – Backspace and **IRIS OPEN** – Return

Record Autoplay: Press and HOLD # and tap AUTOPAN will allow autoplay 'A' to be recorded.

Press **FOCUS FAR** or **FOCUS NEAR** to start the recording or **IRIS CLOSE** to abandon recording. Once recording has started, use the joystick and focus keys as required. To end the recording, press and HOLD # and tap **AUTOPAN**. The recording can be replayed continuously by pressing the **AUTOPAN** key.

Reset dome defaults: Press and HOLD # and tap LIGHTS issues a AUX 90 followed by AUX 40, AUX 60 and AUX66.

This feature is used to set the dome back to factory settings. Following the power up message, the dome's version number is displayed as a potential aid with fault diagnosis.

Programming preshot text. To program a preshot position press **PROGRAM** then 1 followed by number of the preshot. EG to program preshot 1 press **PROGRAM 1 1**. To program preshot 2 press **PROGRAM 1 2**. To program preset 14 press **PROGRAM 1 14**. After the preshot has been programmed the Rx100 issues an AUX 62 to display the preshot text menu. The same keystrokes are used to program preshot text as when programming zone titles.

Using the advanced features when using a BBV Tx400DC

Menu Access: Press and HOLD # and tap 1 will display the dome's menu

Use the joystick to navigate the cursor. **FOCUS FAR** or **FOCUS NEAR** can be pressed to enter the next menu item or to return press either **IRIS OPEN** or **IRIS CLOSE**. When completely out of the menu issue a goto preset command to put the Rx100 into normal mode. Press 1 will move to preshot 1.

Program Zone Title: Press and HOLD # and tap 2 will allow the title for the current zone to be programmed.

Use the joystick as described on screen. Use the following keystrokes to program the text:

FOCUS NEAR – Select a current character, **FOCUS FAR** – Clear character, **IRIS CLOSE** – Backspace and **IRIS OPEN** – Return

Record Autoplay: Press and HOLD # and tap 3 allow autoplay 'A' to be recorded.

Press **FOCUS FAR** or **FOCUS NEAR** to start the recording or **IRIS CLOSE** to abandon recording. Once recording has started, use the joystick and focus keys as required. To end the recording, press and HOLD # and tap 3. The recording can be replayed continuously by pressing the **AUTOPAN** key.

Reset dome defaults: Press and HOLD # and tap 4 issues a **AUX 90** followed by **AUX 40**, **AUX 60** and **AUX66**.

This feature is used to set the dome back to factory settings. Following the power up message, the dome's version number is displayed as a potential aid with fault diagnosis.

Programming preshot text. To program a preshot position press and HOLD **PROGRAM** then tap the preshot require, 1 – 8.

EG to program preshot 1 press and HOLD **PROGRAM** then tap 1. To program preshot 2 press and HOLD **PROGRAM** and tap 2. To program preset 8 press and HOLD **PROGRAM** and tap 8. After the preshot has been programmed the Rx100 issues an **AUX 62** to display the preshot text menu. The same keystrokes are used to program preshot text as when programming zone titles.

Using the advanced features when using a DM Sprite and Digital Sprite keyboard.

Menu Access: *889 10 10 2 will display the dome's menu

Use the joystick to navigate the cursor. **FOCUS FAR** or **FOCUS NEAR** can be pressed to enter the next menu item or to return use *889 10 10 3 which simulates an iris command. When completely out of the menu issue a goto preset command to put the Rx100 into normal mode. Pressing **PRESET** followed by 10 1 will goto preshot 1.

Program Zone Title: *889 10 10 3 will allow the title for the current zone to be programmed.

Use the joystick as described on screen. Use the following keystrokes to program the text:

FOCUS NEAR – Select a current character, **FOCUS FAR** – Clear character, *889 10 10 4 – Backspace and *889 10 10 3 – Return

Record Autoplay: *889 10 10 4 will allow autoplay A to be recorded.

Press **FOCUS FAR** or **FOCUS NEAR** to start the recording or *889 10 10 3 to abandon recording. Once recording has started, use the joystick and focus keys as required. To end the recording, press *888 10 10 4. The recording can be replayed continuously by pressing the **AUTOPAN** key.

Reset dome defaults: *889 10 10 5 issues a **AUX 90** followed by **AUX 40**, **AUX 60** and **AUX66**.

This feature is used to set the dome back to factory settings. Following the power up message, the dome's version number is displayed as a potential aid with fault diagnosis.

Programming preshot text. To program a preshot position press and hold the **PRESET** button until the display asks for preset number. Use the camera keys to enter a 2 digit number from 01 – 16. Use the 10 key to represent 0. After the preshot has been programmed the Rx100 issues an **AUX 62** to display the preshot text menu. The same keystrokes are used to program preshot text as when programming zone titles. EG to program preshot 2, press and hold **PRESET**, wait for the display, press 10 then 2.