

Rx 100 Interface Receiver



Addendum to manual for the following dome:

Philips AutoDome including G3 and G3 Basic
(RS232 control only, not Bi-Phase compatible)

(Software version RX1_P3V3)

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

Advanced Features		Tx1000	Tx400	DM Sprite/DSL
Backlight toggle ON/OFF	(Aux 20)	'#' WASH	'#' 1	*889 002
AGC toggle ON/OFF	(Aux 43)	'#' WIPE	'#' 2	*889 003
or IRIS LEVEL SET	(Aux 11)			
(Link J6/4-5: fitted = AGC toggle, removed = IRIS LEVEL SET)				
Record AutoPlay start/stop	(Aux 100)	'#' AUTOPAN	'#' 3	*889 004
Dome Factory default	(Aux 40)	'#' LIGHTS	'#' 4	*889 005
(AGC ON, Backlight OFF, Aux 40 dome reset)				

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

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

Return to home: Link J6/pin 1-2 if fitted will cause the dome to return to preset 1 after a period of inactivity. (Aux 9)

Line Lock: The camera is set to line locked sync following Rx100 power up.

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 when connecting.

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

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.

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.