

AVALON RF  **Wireless Solutions**
For Audio & Video Links



TX600/TX618/TX623/TX630 **2.4GHz Video Transmitters**

User's Guide & Operating Manual

AV030201/1-000

REV. C4 - 8 October 2003

FCC ID: Q7ITX600-18-23-30

Authored by Guru Mujumdar
Prepared by Steve Jones

Available Through CP Communications - www.cpcomms.com

FCC INFORMATION

FCC ID: Q7ITX600-18-23-30

This unit complies with Parts 74 & 90 of the FCC regulations.

Maximum Permissible Exposure

Any Wireless Equipment can pose health hazards if precaution is not exercised in its use/operation, especially its proximity to the human body. Excessive absorption of RF energy in the body is known to cause Cancer and/or other diseases. The FCC has issued guidelines to determine the safe distance of a transmitting antenna from the human body, to limit absorption to safe levels. Please follow the instructions given in this manual.

WARNING: Refer to Table 4 in Section 3 (*Operating the transmitter*) to determine the MINIMUM DISTANCE the Transmitter with Antenna mounted, or the Antenna itself (if connected via coax to the transmitter), must be placed away from the body to minimize the health hazard. Also, note the Warning for TX630 after Table 4. User's failure to comply with the instructions in this manual voids the site license granted.

Table of Contents

1.	General	1
	Table 1 – Model/Output Power	1
	Figure A – TX600 Series Controls and Connectors	3
	Video	4
	Audio	4
	Talk Back Audio Channel (Optional)	4
	Two Way Digital Data Link (DDL) (Optional)	4
	Motion Sensor Input (Optional)	4
	Telemetry Input (Optional)	5
	RF Outputs	5
2.	Specifications	6
	User Interface	6
	Setup	6
	Electrical Interface	7
	Table 2 – Current Consumption	7
	Table 3 – Power Output	8
	Interconnecting	9
	Figure B – DB 15	9
	Figure C – Power/Video	10
	Figure D – Video	10
	Figure E – Audio	10
	Figure F – Data Input	11
	Mounting	12
	Mechanical Data	13
	Environmental Conditions	14
3.	Operating the transmitter.	15
	Operater Controls & Indicators	15
	General Guidelines	16
	Table 4 – Minimum Safe Distance	17
4.	Ordering information	18
	Base Models	18
	Options	19
	Recommended Accessories	20
	Antennas	20
	Table 5 – Permissible Antenna/Transmitter Model Combinations... ..	21
	Cables	22
	Battery Packs	22
	Warranty	23

