



MX-1700B

AUDIO/VIDEO TRANSMITTER

1.7 GHz BAND

The new 1.7 GHz Audio/Video transmitter is a special design for Military applications capable to work in extremely low or high temperature range. This special audio/video sender has been designed for Aeronautic or Space experiments. This transmitter has 8 selectable channels with indication.



Operating Frequencies:	1700 MHz- 1850 MHz
Channels selection:	On board selectable
DC Voltage:	12 V
RF power:	100 mW/ 12 V
Minimum required voltage:	10 V
Battery power:	12 V
Video distortion:	2%
Maximum range:	1-2 km (5 km with amplifier) from the AIR
Video Format:	PAL, NTSC
Current Consumption:	160 mA / 12 V
Antenna:	N/A
Antenna Connector:	SMA
Impedance:	50 ohms
Video Connector:	RCA F or open wire
Video Impedance:	75 ohms
Video level:	1 V
Audio level:	2 mV
Temperature Range:	-40 +75* C
Dimensions:	1.7" X 1" X 0.3"
Weight:	18 grams
Modulation:	WFM



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Transmitted power levels, current consumption and maximum voltage

Type of Transmitter: CVT-1000	Transmitted Power Levels	Current Consumption / Maximum Voltage
US & Canada version	100mW	135 mA / 14.4V Max
Government & Export version		
	POWER AMP VERSION	AVAILABLE

Mechanical

Size 1.7" X 1" X 0.3"

Weight 10 grams
with antenna & bracket 12.8 grams

Connectors

Power & Audio N/A
Video IN BNC 75 Ohm
Antenna SMA

Environmental

Operating temperature -40°C to +60°C
Storage temperature -40°C to +70°C (-40°F to + 158°F)
Humidity (non-condensing) 90%

Powerup

At powerup, the unit will retrieve the last used channel, program the PLL with this channel, and display the channel by blinking the LED the same number as the channel number.

Displaying Current Channel

Push button is located on the top of the unit. To display the current channel, press the pushbutton once and release. The current channel will blink. After approx. 5 seconds, the current channel will again blink.

Changing to a New Channel

To change to a new channel, press the pushbutton once and release. The current channel will blink. Press and release the pushbutton again **before** 5 seconds has elapsed and the channel will increment by 1 and the LED will blink the new channel. Repeat this step until the desired channel is reached, waiting for the blinking to stop each time before pressing the button again.

Once your desired channel is reached, wait 5 seconds until the LED again blinks your desired channel. Your new channel is now saved in memory.

8 CHANNELS ARE AVAILABLE IN 1.7-1.85 GHz RANGE: