

# XLS-5800/H/HP

# 5.8 GHz

## 8 CHANNELS MICROWAVE LINK FOR 5.8 GHz

This system includes **5 W** transmitter with 8 channels, 8 channel receiver, 2 directional antennas PT-58), Capacity: 1 video/2 audio channels, receiver has built-in low noise amplifier for excellent sensitivity. Operating frequency: synthesized. This is a Professional Microwave link and it is recommended for **TV production and Film**. It is made for very long distances - up to 15 km line-of-sight. Frequency setting is external. Both receiver and transmitter are built in weatherproof NEMA enclosures.



### FEATURES:

- ◆ 8 Selectable channels
- ◆ 5.8 GHz Band
- ◆ Long range
- ◆ Portable 12 V battery operated
- ◆ Weatherproof
- ◆ Broadcast picture quality
- ◆ Range 10 miles from the AIR

Technical Specifications	XLS-5800/H/HP Transmitter
Operating Frequency:	5700 MHz- 5890 MHz
Channels:	8
Channel selection:	External
DC Voltage:	12 V
RF output power:	5 W / 50 ohms
Minimum required voltage:	12 V
Battery power:	12 V - 14.4 V
Frequency stability:	+200 kHz/ h
Video distortion:	3%
Maximum range:	15 km
Video Format:	PAL, NTSC
Current Consumption:	1600 mA / 12 V
Antenna:	Directional 15 dB included
Antenna Connector:	SMA/N
Impedance:	50 ohms
Video Connector:	RCA Female
Video level:	1 V
Video Impedance:	75 ohms
Audio frequency response:	30 Hz- 14 kHz
Audio input:	300 mV
Audio carrier frequencies:	6 MHz and 6.5 MHz
Temperature Range:	-40 +75* C
Dimensions:	8" X 6" X 3.5"
Weight:	10 lb
Modulation:	WFM

Technical Specifications	XLS-5800/H/HP Receiver
Operating Frequency:	5700 MHz- 5890 MHz
Channels:	8
Channel selection:	External
Current Consumption:	350 mA / 12 V
DC Voltage:	12 V
Sensitivity:	-92 dBm
Minimum required voltage:	12 V
Battery power:	12 V -14.4 V
Video distortion:	3%
IF frequency:	479.5 MHz
IF bandwidth:	18 MHz
Gain flatness:	2.5 dB
Noise :	2 dB
Image rejection:	40 dB
Antenna:	Directional 15 dB included
Antenna Connector:	SMA/N
Impedance:	50 ohms
Video Connector:	RCA Female
Video Impedance:	75 ohms
Audio output:	300 mV
Video level:	1 V
Temperature Range:	-40 +75* C
Dimensions:	8" X 6" X 3.5"
Weight:	8 lb
Modulation:	WFM

### 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.

## Warning

**Our microwave links are built in weatherproof boxes, but they are not waterproof. Please make sure to protect transmitter/receiver boxes from the rain and moisture.**



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