

# RMR-X6-II

## 50 MHz to 7 GHz 6-Way Diversity Receiver

### FEATURES:

- High-quality central/portable COFDM SD/HD receive solution
- Six input maximum ratio combining for outstanding sensitivity
- Ultra-sensitive reception via remote block down converters (BDCs)
- Local, Web and remote—controllable (via external third party interface)
- Intuitive menu structure and navigation
- Unit outputs ASI video
- OLED chassis display, OSD display of basic parameters
- AC or DC Operation (110/240 VAC or 9 to 36 VDC)
- Multi-band flexibility through available external block down converters (2.0 GHz, 4.5 GHz and 5.8 GHz bands)
- 6, 7, 8 MHz COFDM bandwidths
- Integrated BDC power insertion
- Other frequencies available upon customer request

### OPTIONS:

- External decoder available
- Rack mount options



The RMR-X6-II software-defined, six-input digital diversity receiver provides maximum ratio combining, DVB-T receive capabilities, ASI output for forwarding the stream, UDP streaming over IP (Ethernet) and an internal MPEG-2 SD/HD decoder.

The unit is controllable via the front panel, RS232, or Ethernet. Stream monitoring capability is provided for network management. The sophisticated monitoring of the X6-II allows viewing of RF parameters such as SNR and transport stream functions for continuity and stream identification. A local CVBS on screen display in addition to the front panel OLED gives the operator all the vital characteristics of the incoming signals with a Data and Spectrum Viewer Screen.

The RMR-X6-II has six antenna UHF RF inputs that interface with external Block Down Converters (BDCs) to provide superb maximum ratio combining capabilities. The maximum ratio combining function automatically chooses the best signals from the six antennas and then combines them to improve the SNR. This advanced process of combining multiple weighted and received SNR values enables the unit to provide seamless 360 degree coverage, without the need for sophisticated GPS tracking systems. This type of coverage is ideal for mobile vehicle and aircraft receive applications, where traditionally a steerable dish was required to receive the moving transmitted signal. The RMR-X6-II helps to rewrite the rules on this type of receive application.

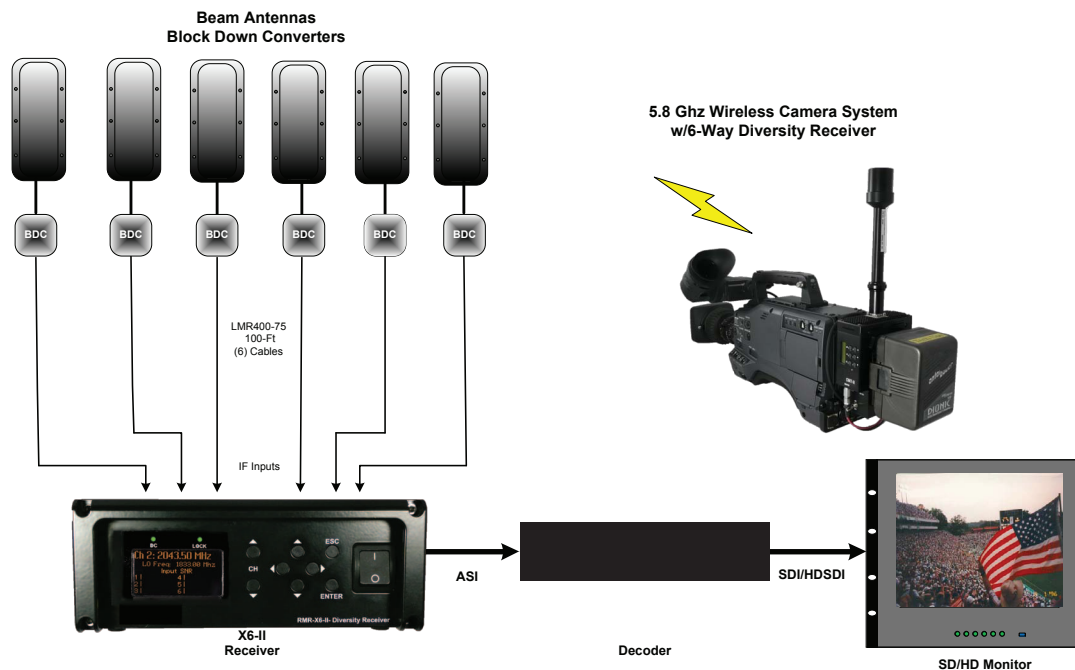
The unit is powered by either 9 to 36 VDC or an external 110/240 VAC power supply. The 2 RU x half rack configuration of the RMR-X6-II maximizes space efficiency in busy control rooms/command centers.

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### Specifications

Inputs:	6 RF inputs 50-850 MHz (BNC) with DC insertion for BDC signals and power RS232 Control(DB9) (Status and Control) RS232 External Data 1 (Customer Date;i.e . GPS) (DB9) DC Power (4 pin XLR) 9 to 36VDC AC Power (IEC) 100 to 240 VAC ASI for multiplexing of additional receivers and other ASI sources (BNC) (Chaining)	<b>Control:</b>  All Parameters of control and viewing of metadata via web browser and RS232 interface
		Power Requirement: Less than 22 Watts
		<b>Physical:</b> Size: 3.5" H x 8.5" W x 10.5" D (8.9 x 21.6 x 31.4 cm) Weight: 4.75 lbs (2.16 kg)
		Environmental: Operating Temperature: -10 to +50°C Humidity: 95% long term
Outputs:	ASI output 1 (BNC) ASI output 2 (BNC) OSD CVBS Presentation of receiver (BNC) Ethernet (RJ45) (UDP Video, Web Browser control)	
Status Indicators:	Spectrum: SNR, BER, RSL Packet Error, Continuity Error, PID List, PID Rate	
IP Streaming:	UDP Multicast up to 30 Mbits	
Video OSD:	Format NTSC/PAL, CVBS	



### Sample Configuration – Other Frequencies Available