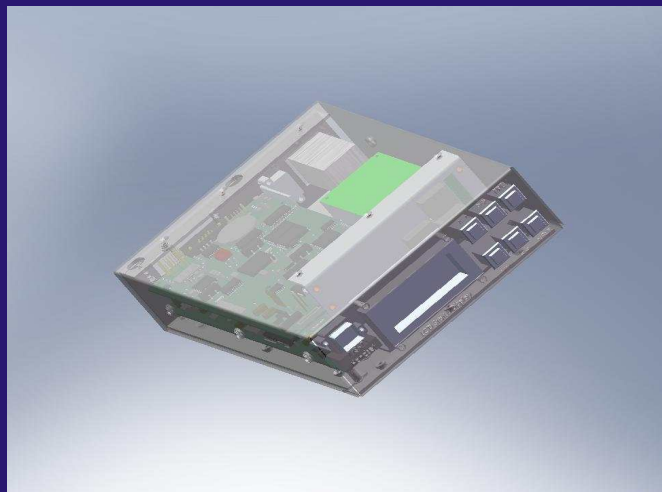


MSV-402

IP Based Handset Remote Extension for your MSAT-G2 Mobile Satellite Radio



- Tired of the distance limitation between your MSAT-G2 handset, radio, and antenna?
- Do you want satellite Two-Way Radio and Telephony but don't have the a location for the MSAT-G2 radio's antenna?
- You want the reliability of the MSAT-G2 service, so what do you do?

Link Communications introduces the new MSV-402 IP Based Handset Extension System for the MSAT-G2 Mobile Satellite Radio system. This new interface enables the handset and MSAT-G2 radio to be connected over a LAN network or Internet network. The MSV-402 consists of two Voice Over Internet Protocol (VoIP) units, each with their own unique IP address, that can connect to any LAN network. The system enables the G2 handset to be located remotely from the radio, without any cable length limitations between the handset and radio. Utilizing advanced VoIP technology, the MSV-402 can easily integrate into your network system without any expected network changes. A bright backlit liquid crystal display is located on the front of the MSV-402 to aid in initial setup and provides realtime feedback during operation. Power is provided by the MSAT-G2 on the radio end and +12V power is required on the handset end (power module included).



Link
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1-800-610-4085

<http://www.link-comm.com>

Contact your MSAT dealer for pricing

Available January 2007

Visit: www.msatg2.com

MSV-G2 IP Handset Extension Interface Specifications (MSV-402)

<u>Power and Size</u>	
Voltage / Current / Temperature	AC: 85V .. 264V AC, 50/60 Hz, IEC Power Input DC: 11V .. 18V DC / 150mA DC @ +12V/DC 2 pin Anderson Power Pole Connector
Temperature	-4 °F to 158 °F (-20 °C to 70 °C)
Size/Weight	9.0" deep x 2.25 6.750" width x 2.250" high, Weight 1.0 Lbs (0.455kg)
<u>Audio Characteristics</u>	
Input Level / Range / Response	150mV p-p .. 8V p-p , 96dB (16 bit digital conversion ADC). > 50K ohms, AC Coupled, 2Hz - 3.5 KHz (-3dB point)
Output Level / Range / Response	0V p-p .. 4.30V p-p, 96dB (16 bit ADC). 600 ohms, AC Coupled. 15Hz - 3.5 KHz (-3dB Point), (600 Ohm Load)
<u>I/O Characteristics</u>	
MSV-G2 Handset and Radio	Handset: Direct plug-in RJ-45 Direct Connection from MSV-402 to the G2 Radio utilizing an RJ-45 cable
<u>Digital Characteristics</u>	
DSP Processor / Firmware	100 MIPS floating point Analog Devices DSP radio card processor. 66 MIPS Motorola system control uProcessor
Audio CODEC	16 Bit @ 16 KHz sample rate, 8 KHz input/output bandwidth
Liquid Crystal Display (LCD)	20 characters, 4 line, backlit display with front panel setup switches for IP addresses
RS-232 and Ethernet Port	RS-232 control port up to 115 K baud. 10/100 Ethernet port. Windows(tm) Remote Control Software GUI included
Voice Over Internet Protocol (VOIP)	16 Bit @ 16 KHz PCM (MSV-402 to TCB-2,3,4 Connections) and (MSV-402 to Windows(tm) GUI Interface) (IP Port 23000)
UDP Serial	MSV-402 Handset to MSV-Radio Full-Duplex 19.2K Baud serial stream, full handset operation over IP (IP Port 23002)
<u>Audio Delay Description</u>	
Fixed Audio Delay	Handset and Radio ports supports a digital audio delay up to 5.0 seconds, adjustable in 0.1 second increments
<u>Options Available</u>	
Handi-Remote Handset Extension	Allows handset extension over dry copper up to 2000 feet
19" Rack Mount Shelf	A 19", 2U (3 1/2") rack mount shelf is available for mounting two MSV-402's in a standard equipment 19" rack



For immediate pricing and quoting for all your MSV product needs, visit www.msatg2.com