



Productivity and Safety through  
Mine-Spec digital applications

# IMPACT

## MP71 MinePhone for hard rock mining



Push To Talk functionality with emergency override

Reliable, Full Duplex Voice Communications

Remote Speaker Microphone Support

Text Messaging

Trackable using Mine Site Technologies Software

# MP71 MinePhone for hard rock mining

**IMPACT**  
the future of mining  
communications

The Mine Site Technologies' (MST) MP71 series handsets for hard rock mining offer a simple and robust solution for Voice over Internet Protocol (VoIP) communications in mining environments. The handset allows users to make and receive VoIP phone calls from any area of the mine covered by the wireless network and includes mine specific functionality including Push To Talk (PTT), emergency alarms and a battery life designed to last an entire shift. The handset is IEEE 802.11b/g (Wi-Fi) compliant and uses Session Initiation Protocol (SIP) for both calls and text messaging. The units can be configured using the on-screen menu system or from a Central Server using TFTP simplifying system deployment.

## SPECIFICATIONS

### HANDBSET SPECIFICATIONS

- Wi-Fi 802.11b/g

#### Dimensions

- 150mm x 75mm x 35mm

#### Battery

- 1100mAh

#### Charge life

- exceeds 14 hours

#### Transmit Power:

- +17dBm

#### Screen

- 240 x 320 Colour TFT

#### Weight

- 250g

### NETWORK PROTOCOLS

- TCP/UDP/IP, IPV4, DNS  
ARP, Static IP DHCP
- Real Time Transfer Protocol (RTP)  
RFC 1889/RTCP FC 1890
- Session Description Protocol (SDP)  
RFC 2327
- Session Announcement Protocol (SAP)
- Session Initiation Protocol (SIP)  
RFC 3261, 3264 & 3515 V2
- Standards — Call control & Text messaging (RFC 3261 & DPRFC 2321)
- DTMF RFC 2833
- Software updates by TFTP
  
- WEP (64/128 bit encryption)
- WPA
- WPA2

### VOICE FEATURES

- G.711 (A-Law &  $\mu$ -Law 64kbps)
- G.729A (8kbps)
- Acoustic echo cancellation
- Jitter buffer control (default 80ms, max 320ms)

### TELEPHONY FEATURES

- Call forwarding
- Caller ID
- Call Waiting
- Call Mute
- Re-dial (last 20 records)
- Hot key dialling
- Text messaging (stores up to 100 messages)
- Multiple ring tones
- Phone book (up to 200 records)
- Power saving mode
- Speaker and microphone volume controls
- Vibrating alert and silent mode

### MINE SPECIFIC FEATURES

- 24 Push To Talk (PTT) channels
- Man Down Emergency Override
- Asset locator (when used in conjunction with MST tracking system)

### RSM

- Compatible with Motorola PMMN4021 and PMMN4027

### Order Code

- MP&I01-H



MST offices and support centers are strategically located in the world's primary mining regions.

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