



Productivity and Safety through
Mine-Spec digital applications

IMPACT

MP70
intrinsically safe
MinePhone



Push To Talk Functionality with emergency override

72 hours standby time

Text messaging

Rugged, mine-hardened, intrinsically safe

intrinsically safe MP70 MinePhone

IMPACT
the future of mining
communications

Mine Site Technologies' (MST) MinePhone handsets 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 voice calls and text messaging. The units can be configured using the on screen menu system or via a web browser simplifying system deployment.

SPECIFICATIONS

HANDSET SPECIFICATIONS

- Wi-Fi 802.11b/g

Dimensions

- 150mm x 75mm x 35mm

Battery

- 1100mAh

Charge life

- 3 hours talk time
- 72 hours standby time

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/ RTP FC 1890
- Session Description Protocol (SDP) RFC 2327
- Session Announcement Protocol (SAP)
- Session Initiation Protocol (SIP) RFC 3621, 3624 & 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 & μ -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
- External headset (*non I.S. version only*)
- Asset locator (when used in conjunction with MST tracking system)

CERTIFICATIONS

- IEC - Exia
- MSHA - Exia

CERTIFICATE NO.S

IECEX TSA 10.0023X
23-A100006-0



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

www.mstglobal.com
solutions@mstglobal.com

Australia

Sydney
Level 5, 113 Wicks Road
North Ryde
Sydney NSW 2113
Tel: +61 (0)2 9491 6500

United States

Denver
13301 W 43rd Drive
Golden, Denver
Colorado 80403
Tel: +1 303 951 0570

Chile

Santiago
Vitacura 2771, Of 503
Las Condes,
Santiago 7550134
Tel: +56 9 7772 3819

Russia

Moscow
Office 318a
Lesnaya, 43
Moscow 127055
Tel: +7 (499) 978 72 11

South Africa

Centurion
Unit 1, Oxford Office Park
3 Bauhinia St
Gauteng 0046
Tel: +27 (0) 12 345 6100

China

Hangzhou
Building 5
1413 Moganshan Road
Hangzhou 310011
Tel: +86 571 8580 3320 Ext 206