

Northern Light Digital™

Connectivity *That Shines*

Northern Light Digital™ Messenger

is a two-way messaging and paging device designed to operate on Wireless Local Area Networks (WLAN) in underground mines.

With Northern Light Digital™ Messenger you will:

Enable real-time, two-way communication underground

Benefit from mine-wide emergency alerts and operator-initiated emergency call feature

Improve emergency response time

Increase productivity by tracking job progress and completion



Northern Light Digital™ Messenger

Hardware Features

- Scrollable back-lit, 2-line LCD display
- Emergency message initiation function
- Easy-to-operate toggle switch
- Built-in localization device to support Tracking
- Sleep mode conserves battery power
- Integrates with Northern Light Digital™ Mine Software
- Low voltage warning and automatic shut-off

Software Features

- Send messages to entire groups or individuals
- Check status to see who is on-line
- Assign priority to out-going messages: normal, high and emergency
- Send possible responses with out-going messages
- Sort messages according to status, response, priority and time

Technical Specifications

WiFi

Standard:	IEEE 802.11 b/g
Frequency Range:	2.412-2.484 GHz
Data Rate:	b: 11MBp/s. g: 54MBp/s
Transmit Output Power:	14 dBm + 1.5dBm/-1.0 dBm
Security:	WEP 64/128, WPA-PSK, TKIP, AES, end-to-end encryption

Battery

Type:	15 Cell NiMH, 6 Volts
Charge Time:	<12 hours
Discharge:	>12 hours
Charger:	"E" type Northern Light®

Headpiece

Primary:	3 Watt LED
Primary Lifespan:	Minimum 10,000 hours
Luminous Flux:	58 typical
Lux:	3,000 typical
Forward Voltage:	3.7 typical

General

Display:	Backlit 2 line LCD
User Input:	Toggle Switch
Weight:	1.6kg or 3.4lbs

* Messenger is also available with incandescent primary.

