



WAVESWAY MU3

This universal device can be used as a fixed repeater with different types of antennas, including directional ones, or as a fixed, portable or vehicle radio when a remote speaker/microphone is connected.

It has a built-in high-capacity battery and can run for up to 10 days without recharging. It can also be powered by an external power supply.

Continuous Connectivity On The Go

Every device on a WAVESWAY network communicates with each other, forming a true peer-to-peer mobile network without the need for a master node or base station. Add or take away radios from the network without losing connectivity or having to reconfigure your devices.

Routing data from radio to radio enabling the network to grow, adapt and extend as more radios are added.

Long-range

The WAVESWAY MU3 creates powerful, highly secure networks for any type of environment. The line-of-sight range is up to 8 km for portable, fixed or car radios, and up to 50 km for fixed radios with directional antennas.

Any coverage area can be provided through network configuration.

Rapidly Deployable

100% off-grid network deployment for teams in minutes. No additional equipment is needed to set up a large-scale network in an hour.

Scalable

The number of subscribers and retransmissions is unlimited.

Stay Connected Anywhere

With the ability to self-form and self-heal, the MU3 routes your data around obstacles by using multi-path propagation, maximising network performance, agility and mobility.

Secure

Secure broadcast, private, and group messaging using AES 128-bit encryption.

Remote Control and Monitoring

Programming of device parameters via radio channel. Remote monitoring of location, signal strength and battery level.

Rugged Design For Any Environment

Able to withstand extreme conditions in the harshest environments, meeting the highest standard ratings for temperature, shock, water and dust resistance.

Longer mission endurance

Up to 10 days per charge for standard missions.

Specifications

General		
- Dimensions	16 x 7 x 4 cm (6,3 x 2,8 x 1,6 in.)	
- Weight	610g (21,6 oz)	
Protocol		
MANET protocol	Proprietary WAVESWAY protocol	
Communication	Voice and Data	
Number of logical channels on the same frequency	up to 200	
Number of simultaneous conversations on the same frequency	up to 4	
Number of Subscribers in Network	unlimited	
Number of Hops	unlimited	
Secure	AES128-bit encryption	
Transceiver		
- Frequency Band	862–872 MHz, 902 - 928 MHz	
- Output Power	up to 2W (computer programmable)	
- Receiver Sensitivity	-105 dBm	
- Data rate	100 - 1000 kbps	
Environments		
Protection	IP67	
Temperature Range	Operational (standard)	-20 to 60 C (-4 to 140 F)
	Operational (optional)	-40 to 60 C (-40 to 140 F)
	Charging	0 to 45 C (32 to 113 F)
Battery		
Battery Capacity	10000 mAh	
Nominal voltage	3,7 V	
Operating time	up to 150 hrs	
Interfaces		
Antenna Port	Type-N	
UART	CNlinko LP-20	

Package:

- Transceiver
- AC/DC power adapter with charging cable

WAVESWAY SP

N5-Floor 2, Police Lane I, Tbilisi,
Georgia

Tel: +995-558-356-722

Email: hq@wavesway.net

<http://www.wavesway.net>