## FORAX-HARC-Mini

Fibre Optic Remote Antenna Extension

**RF over Fibre** 



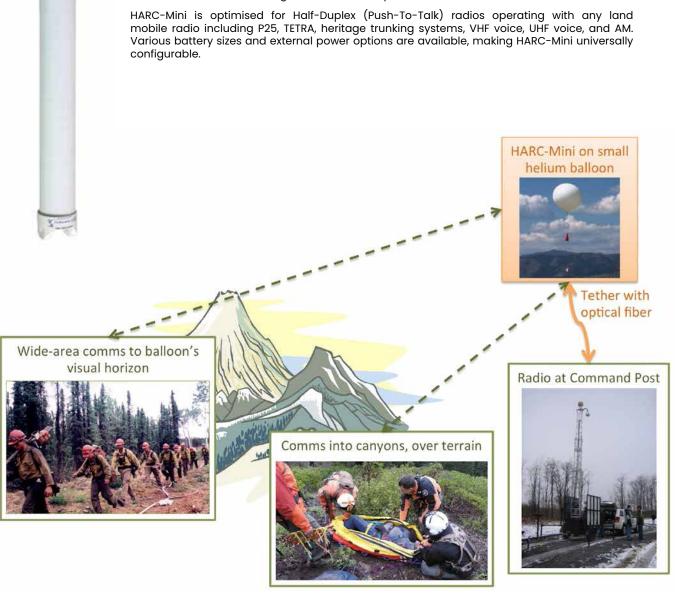


## **Extended Range for Emergency Radio Comms**

It's an emergency and you are in the field. Even when you bring along a 30 m transportable antenna tower, you always want more range for your radios; and now there is a solution for extending that distance: fly an antenna high overhead using HARC-Mini.

HARC-Mini answers the need for a field expedient solution to lofting a radio antenna as high as 150 m. With configurations weighing as little as 1.25 kg plus antenna, just add a small balloon - or even a lifting kite - and you are communicating. Communications have good margin out to 40 km from 150 m over level ground.

Lightweight, modular HARC-Mini antennas are easily changed in the field. The specific antenna you need is snapped on in seconds. Antennas are already available for several frequency bands in the 30-512 MHz range, and antennas up to 2 GHz are imminent.

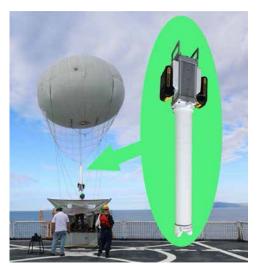


## **Electrical Specifications**

Frequency Range	30-512 MHz	
RF Connectors	TNC	
RF Input Power	1-5 W 20 W Survivable	
RF Transmit Power	2 W (30-512 MHz)	
Fibre Type	One single mode fibre	
Fibre Connector	SC-APC	
AIU includes weather-tight connector features		

## **Environmental Specifications**

Dimensions		
Width	12.7 cm	
• Depth	8.3 cm	
Height	25.4 cm	
Weight (without batteries)	1.25 kg	
Operating Temperature	- 10°C to + 60°C	
Storage Temperature	- 40°C to + 80°C	





Other FORAX-HARC configurations are available, for larger aerostats

	HARC-4S2U	HARC-2SIU	HARC-WNW
Radios Supported	4-VHF including SINCGARS     (SNAP interface included)     2-UHF, any waveform (eg     ANW2, SRW, EPLRS, voice)	<ul> <li>2-SINCGARS retrans pair (SNAP interface included) or 1-VHF</li> <li>2-UHF, any waveform (e.g., ANW2, SRW, EPLRS, voice)</li> </ul>	1-WNW (GMR RFCB connectivity included)
Airborne Weight	~ 43 kg with antennas + cables	~ 16 kg with antennas + cables	~ 15 kg with antennas + cables
Packaging	Modular Form Factor	Lightweight Form Factor	Lightweight Form Factor

All specifications are subject to change without notice The information contained herein is for reference only and does not constitute a warranty of performance



