

# SCOOP F ONE



Professional mobile phone with  
HD Voice over 2G/3G

HD  
VOICE



MONO



2G

3G

- + Mobile voice over 2G/3G with HD Voice™ (AMR-WB, 7 kHz)
- + Network quality meters
- + N/ACIP compliant (UER Tech 3326)

- + Push/pull SIM card holder
- + Phone book
- + Easy update by USB
- + Embedded HTML server
- + Noise gate and echo cancelling
- + > 5H autonomy with Rechargeable NiMH batteries, 6xAA, integrated charger
- + Phantom Power

- + High definition voice (up to 7 kHz)
- + Telecom grade reliability
- + Full Duplex
- + 1 balanced mic/line input
- + 1 balanced line output
- + 2 headphone outputs
- + 2 antennas for better reception

ScoopFone HD is **designed for the needs of field reporters**. It allows you to perform **audio connection through 2G/3G mobile networks in HD Voice™ (7 kHz)**.

It also performs great in TV wireless coordination and **any live long distance communication where professional quality matters**.

Two mobile network antennas provide better performance in case of marginal coverage. Microphone input and line input can be mixed. With **rechargeable batteries lasting for more than five hours**, ScoopFone HD offers the **perfect combination of mobility, sound quality and quality of service**.





Right Side



Rear view



RACKMOUNT VERSION

## AUDIO INTERFACES

- + 1 Mic/Line inputs, balanced (XLR 3 pins)
- + 2 headphone outputs (mini jack)
- + 1 line output (XLR 3 pins)

### Mic/Line Inputs

- + Max gain (mic input): +70 dB
- + Max gain (line input): +22 dB
- + Max input level Mic/Line: +19 dBu
- + High-pass filter and limiter and fader (50kHz, 18 db/o)
- + 48 V phantom power
- + 4 selectable gains

### Line Input and Output

- + Maximum input level: for 0 dBFS, levels: -6 dBu to +14 dBu
- + Maximum output level: -9 to +22 dBu

## AUDIO PERFORMANCE

- + EIN < -126 dBu @ max gain
- + Input headroom: 40 dB
- + THD + N < -78 dBu
- + Frequency response: +/- 0.3 dB (20–20000 Hz)
- + Noise gate and echo cancelling

## GENERAL

- + OLED screen
- + Power 10–16 VDC or standard batteries (6\*AA-size)
- + Integrated charger for NiMH cells
- + USB host for easy update
- + Push/pull SIM card holder
- + Phone book
- + SMS
- + Internal battery life: > 5 h
- + Dimensions: 146 x 128 x 44 mm (W x H x D)
- + Max weight 0,570 kg (excluding batteries)
- + Max weight 0,745 kg (including batteries)
- + Operating temperature range 0°– 45°C

## ACCESSORIES (OPTIONAL)

- + Carrying bag
- + Car DC adapter cable
- + Spare AC/DC adapter
- + External multiband antenna
- + External multiband antenna, right angle
- + Ni-MH battery set

## FREQUENCY BANDS SUPPORTED WITH MOBILE MODE:

Bands	800 MHZ	850 MHZ	900 MHZ	1800 MHZ	1900 MHZ	2100 MHZ	2600 MHZ
Band number	(20)	(5)	(8)	(3)	(2)	(1)	(7)
2G							
3G/3G+							

HD Voice delivers higher quality voice transmissions by extending the frequency range of traditional or narrowband voice calls (300 Hz to 3400 Hz) out to wideband audio ranges (50 Hz to 7000 Hz).



Carrying bag (5 years warranty) - Optional



ScoopFone HD-R/E (Ethernet - For remote control)



ScoopFone HD-R/R (Relay)

- + Professional wireless phone in rack mount
- + Two versions: Ethernet or Relays (GPIO)
- + 3 units in a 1U 19" rack
- + Supports HD Voice and GSM service
- + OLED display
- + Professional audio interfaces
- + Audio processing: high-pass filters, selectable gain
- + Remote control through embedded HTML web page
- + Easy to use
- + DTMF send (to IVR servers)

Two versions are available: **ScoopFone HD-R/E (Ethernet)** and **ScoopFone HD-R/R (Relay)**. The Relay (GPIO) version provides contacts to initiate a call, and also provides status information via the relays - perfect for motorbike use for example.

ScoopFone HD-R's broadcast specification input and output interfaces with **full RF shielding of all audio circuits ensure interference-free audio**. The digital nature of the system provides a **complete separation of the send and return circuits** - each with its own dedicated audio connection.