Hydra Operation Guide

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1. Introduction

1.1. Important Safety Note

Any usage of the equipment in a manner not specified by the manufacturer may impair features related to safety and user protection.

Tout usage de cet équipement, qui n'est pas conforme aux spécifications du manufacturier, peut affecter les fonctions relatives à la sécurité et la protection de l'utilisateur

1.2. Product Introduction

The following sections provide a high-level overview of the unit.

1.2.1. Product Purpose

The unit is designed to measure mobile device performance. The unit is utilized to provide metrics for voice quality, voice delay, call initiation, call retention, call setup time, loss of network, and Bluetooth voice performance.

1.2.2. Front panel

1.2.2.1. LED indicators

Indicator	Function
L1, L2, L3, L4	Indicates the status of the link over the active interface for the given channel. For example, when utilizing the Bluetooth interface, the LED indicates the status of the Bluetooth link. The general behavior is as follows: • **Dark** – Channel is disabled • **Green** – Channel is enabled for Narrowband Analog • **White** – Channel is enabled for Wideband Analog • **Cyan (Flashing)** – Bluetooth initialization • **Cyan (Solid)** – Bluetooth initialized • **Blue (Flashing)** – Bluetooth Pairing "On" • **Blue (Solid)** – Bluetooth is Paired

	• **Yellow (Flashing)** – Outgoing call setup • **Yellow (Solid)** – Outgoing call in progress • **Magenta (Flashing)** – Incoming call setup • **Magenta (Solid)** – Incoming call in progress • **Red** - Overdrive
Pwr	When lit, indicates that power is applied to the unit.

1.2.2.2. Base unit physical interfaces

Interface	Description
HD1, HD2, HD3, HD4	Interface for High Definition Audio
NB1, NB2, NB3, NB4	Interface for Narrowband Audio
PC	USB interface for communication with the PC
GPS	USB interface for communication with a GPS device. The interface functions as a normal USB port for the PC.
+12V	Power supply interface.

1.3. Technical Support

If you need product assistance or want to report problems with the product or the documentation, please contact us.

Mailing address:

Client Services
Spirent Communications
7340 Executive Way, Suite A
Frederick, MD 21704
USA

Phone:

1-800-714-6421, Extension 2

E-mail: support@metricowireless.com

2. Specifications

Physical Specifications

Dimensions (H x W X D)	1 5/8 in x 10 ¼ in x 4 7/8 in
Weight	2.2 lbs
Case material	Aluminum
Communication interfaces	Bluetooth, Analog, USB

Power Specifications

AC operations	Requires external AC adapter. Adapter specifications: Input – 100 to 240 V, 50-60 Hz, 0.4 amps Output – 12 V, 1.0 amps
Maximum power usage	10 Watts
Maximum heat dissipation	10 Watts

Environmental Requirements

Operating temperature	0 to 55°C
Storage temperature	-20 to 70°C
Humidity tolerance	5 to 85% RH at 40°C