

Sonetics Wireless ComHub[™]

SON124E PORTABLE WIRELESS COMMUNICATION HUB (EU)

Sonetics' wireless ComHub[™] provides the core of a completely portable team communication system. Housed in a rugged Pelican[™] waterproof case, the battery-powered ComHub serves as a portable base station for up to four Apex wireless headsets. Operating on the 1.8GHz DECT EU standard, the system provides secure, interference-free, full-duplex communication with Sonetics wireless headsets up to a 600m line-of-sight radius from the ComHub. For extended communication beyond the local work team, the ComHub interfaces with virtually any portable or mobile radio using a Sonetics radio interface cable. With a radio interfaced, the ComHub supports push-to-talk communication through the radio from a properly configured Sonetics wireless headset. The ComHub is fully programmable to user specifications and is supplied with a water-resistant padded nylon bag for ease of transport and use.

600m line-of-sight range

Over six times the distance and 40 times the area of Bluetooth

Extended-range operating temperature

Rated from -10°C to +70°C, this system works wherever you do

Completely wireless and antenna-free

No external antennas to break, snag, or replace

PTT radio interface support

Works with a properly configured Sonetics headset to transmit over an attached radio; all users hear radio traffic



Long-life battery

Operates 20 hours on a 4.4-hour charge; keeps the system ready for use when you need it

DECT wireless technology

Crystal-clear, interference-free and secure communication compared to Bluetooth or 2-way radio

Truly portable

Compact and light enough to carry in a backpack or store on a dashboard



Padded transport bag

For ease of transportation and use

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FEATURES

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|---------------------------------------------------------------|---------------------------------------------------------------------|
| Exceptional range and security | Long-lasting power source |
| 600 meter line-of-sight range | 20-hour NiMH rechargeable battery with 4.4-hour full charge time |
| DECT wireless encrypted (available only in EU standard areas) | Simple on/off operation |
| Audible out-of-range warning | Radio integration |
| Total configurability | Connects to one radio via cable; over 400 radio choices |
| Custom programmable to user specifications | PTT over radio from a properly configured Sonetics wireless headset |
| | All users hear radio traffic |

SPECIFICATIONS

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| Physical | Environmental |
| Weight (with bag): 1.5 kg | Operating temperature: -10°C to +70°C |
| Dimensions (without bag): 21cm L x 16cm W x 9cm H | Storage temperature: -25°C to +85°C |
| Performance | Charging temperature: 0°C to +40°C |
| Range: 600 meter line-of-sight | Meets SAE standards J1455 |
| Digital encoding for secure communications | MIL |
| Interference-free communications for up to 4 headsets per system | Humidity per MIL-STD 810F and 810G |
| Power | Temperature Shock per MIL-STD 810F and 810G |
| 12V 2200 mAHr rechargeable Nickel Metal Hydride | Chemical Exposure per MIL-STD 810F and 810G |
| 20 hours battery life when operating @25°C | SAE |
| Charge time: 4.4 hours for fully depleted battery | Salt Spray per J1455, Sec. 4.3 |
| AC Charge source: 12V NiMH wall charger | Vibration per J1455 Sec. 4.9 |
| Over voltage, under voltage, over current and over temp. protection | Conducted Immunity per J1113-11 |
| RF Certification | Electrostatic Discharge per J1113-13 |
| Includes WBS-5104E: Wireless base station, 4-user EU: Cert# CE 1321 | Radiated Emissions per J1113-41 |
| Meets essential CE requirements of: | ISO |
| EN 301 406 V2.1.1 (R&TTE Directive) | Conducted Transients per 7637-2 |
| EN 301 489-6 V1.3.1 (R&TTE Directive) | |
| IEC 60950-1:2006 (Information Technology Equipment – Safety) | |
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