



**OPERATING A RADIO  
NO LONGER MEANS  
HAVING TO STAND  
NEXT TO IT!**



**TACTICAL**  
Bluetooth

# RADIOOS-100

WIRELESS RADIO ACTIVATION SYSTEM

## REMOTE RADIO ACTIVATION FOR IMPROVED OPERATIONAL MOBILITY

Talla-Com's RADIOOS-100 wireless radio activation system enables commanders and field personnel to wirelessly operate tactical radios from a distance of up to 40 meters. Utilizing comfortable and light-weight, digital, Bluetooth-technology, RADIOOS-100 frees field-personnel from having to carry a tactical radio or be adjacent to it in order to communicate. Thereby, it dramatically improves operational mobility and capability. RADIOOS-100 provides revolutionary communication solutions for a wide range of military and security applications, and can be customized to meet specific operational or technical requirements. It can be customized to work with a wide variety of tactical radios, and can be fitted to replace almost any wired audio device —headsets, handsets and helmets.



**TALLA-COM**





**Wireless handset**



**Radio Gateway**



**Wireless headset**

## RADIOOS-100 SYSTEM BUILDING BLOCKS

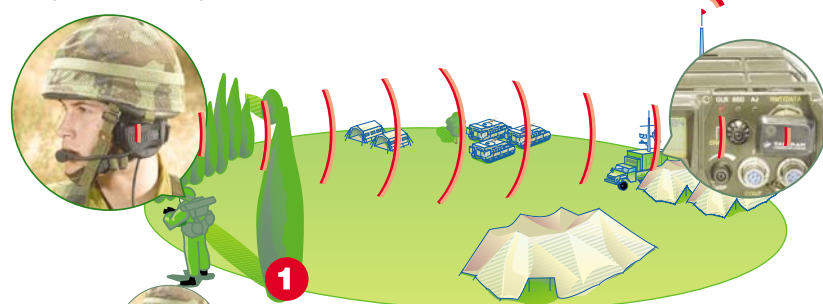
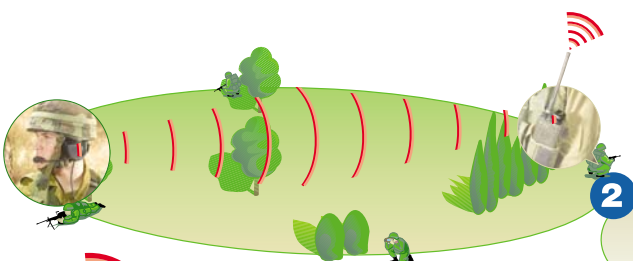
The bluetooth-based remote activation system consists of two elements: 1. A wireless audio device such as a headset, handset or helmet; 2. A radio gateway connected to a tactical radio.

## TYPICAL APPLICATIONS

The RADIOOS-100 system suits a wide range of military and security applications, such as:

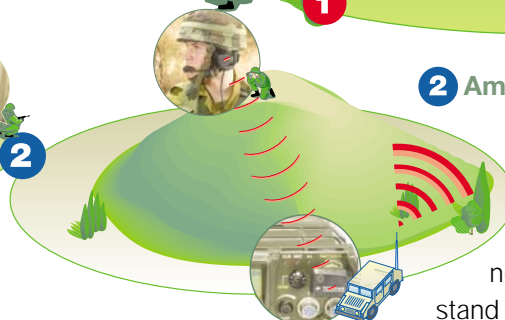
### 1 Command posts

Utilizing a RADIOOS-100 audio device, Commanders and key personnel can freely move around the compound, receiving information and passing instructions to other stations via a tactical radio installed anywhere within the operating radius.



### 2 Ambushes and ground operations

Field unit commanders can communicate via a tactical radio carried by one of the unit's soldiers or located in a near-by vehicle, without having to stand next to the radio itself.



### 3 Check points and urban warfare

RADIOOS-100 provides ground unit members with maximum operational mobility and communication capability, thereby improving coordination and control.

## SPECIAL FEATURES

- Audio indication signals such as: low battery, radio low battery, out of range/back to range and connection/disconnection.
- Automatic connection from out-of-range situation.
- System can be expanded to:
  1. Work with most standard tactical radios and audio devices
  2. Allow multiple users to operate a single radio
  3. Provide an operating range of up to 100 meters
  4. Enable remote control of radio's functions
- Ergonomically-designed headset can fit under most standard helmets.

## TECHNICAL SPECIFICATIONS

Technology:	Bluetooth
Frequency:	2.4 GHz
Power output:	1mW
Power:	3.6V Li-Ion rechargeable battery
Operation Hours:	
• Operating mode:	More than 20 hours
• Standby mode:	More than 100 hours
Headset power consumption:	
• Receive/transmit mode:	28 mA
• Standby mode:	3 mA

Environmental:	
• Operating temperature:	-20°C to +55°C
• Relative humidity:	95%
• Leakage:	0.25 meter of water for 2 hours
Dynamic & Mechanical:	
• Weight (with battery):	per MIL-STD-810E 200 grams
Operating range:	Up to 40 m (longer ranges optional)
Collocation:	Multiple RADIOOS-100 users can operate in the same geographical area without experiencing interference.

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