MDR
Mic Dual Radio

Remote speaker microphone that can be connected to a smartphone and a LMR radio simultaneously.

A TPL Systèmes innovation designed, developed and manufactured in France in our workshops.

With the arrival on the market of new communications networks based on 3GPP standards and 4G networks, the switch from current LMR networks to these new technologies will take place gradually and a more or less long transition period will be expected.

Even if these networks will provide new operational tools useful to field users, it remains that major functionalities are missing, such as Direct Mode. This is why we launch on the market a new RSM that can be connected to a smartphone with an MCPTT apps and a LMR radio simultaneously.

The user will be able to converse on these 2 vectors very easily and maintain a quality Direct Mode with equipment already in their possession.

The connection between the **MDR** and the smartphone can be made either via USB or BT.

Connection to the radio is perform through a connectorized stretch cable.

The **MDR** allows also smooth migration between the LMR world and the MCPTT world by responding to the following 3 use cases:

- Current: Have a remote speaker microphone for LMR radio only

- Migration phase: Have a remote speaker microphone managing both terminals at the same time

- Future: Having a remote speaker microphone managing the smartphone only

The **MDR** offer a "Gateway" functionality , allowing it to relay communications from the smartphone to the LMR radio and vice versa.

The **MDR** remote speaker microphone is compatible with Android and iOS, as well with several radio terminals (TETRAPOL, TETRA, eDMR, DMR, analog etc.).

MADE IN FRANCE

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Features

Accessories

General features

- Made in France in our workshops
- Dimensions: 62x95x31mm
- IP67 - MIL Std 810H
- Extremely robust
- 128x64 pixel OLED display, bi-color: yellow and blue
- Rotating clip with fixing ring
- 4 customizable PTT

Power supply

- 3.6V 1500mAh battery for an autonomy better than 20 hours
- Mono desktop charger
- 6-slots desktop charger
- Car charger with patella and fixing clip
- Charging possible via USB or connection to the radio or the smartphone, configurable in the personalization software

Audio features

- 1w Loud speaker
- Dual MEMS microphone with ANC (active noiseCancellation)
- Speaker located under front PTT

Connectivity

- Connection to the LMR radio via a connectorized stretch cable compatible with radio terminals:
  - Tetrapol: P2G & TPH700 & TPH900
  - eDMR: TDH3G & Tetra: SC20 & TH9
  - DMR: DP24XX & DP48xx
  - Analog: IC-A16E ...
- Connection to smartphone via lockable USB connector or Bluetooth BLE
- 3.5mm jack connector for mono audio headset
- Nexus or Fisher or Lemo connector for head accessories
- Second Bluetooth connection for a wireless earpiece or BT accessory

Programming and updating

- Update via USB port , thanks to Windows or Linux software
- Customization via USB port and Windows software

MCx APPS compatible

- Streamwide: Team On Mission
- Streamwide: Team On the Run
- Airbus: AGNET
- Systel: myIRIS+
- TASSTA: T.STAR

For others apps, please contact us.

Car charger with 3-axis ball joint

Desktop charger

6-way charger

Display

Control Knob

SOS

Menu

2 LED multi color + microphone

PTT 3

PTT 2

PTT 1

PTT 4

3.5 mm jack connector

USB connector

Lockable USB cable

NEXSUS/LEMO/FISCHER connector

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