English

ACCESS POINT
User Guide

DE-AU ACCESS POINT

Digitear

CONTENTS

1 - DESCRIPTION OF THE SYSTEM

TX-BOX

🔊 **Data**

Distance < 100 meters depending on installation

ACCESS POINT

BELTPACK

🔊 **Data**

Range < 50 m

Range < 10 m

🔊 **Data**

INEAR

INEAR

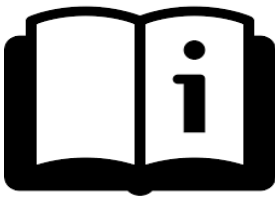## 2 - OVERVIEW

The ACCESS POINT is a radio antenna ensuring the communication between the BELTPACK and the TX-BOX. The supplied antenna is manufactured by MicroTik and distributed by its partners.

Overline Systems has applied a specific configuration to the antenna in order to optimize its exclusive use within the Digitear.
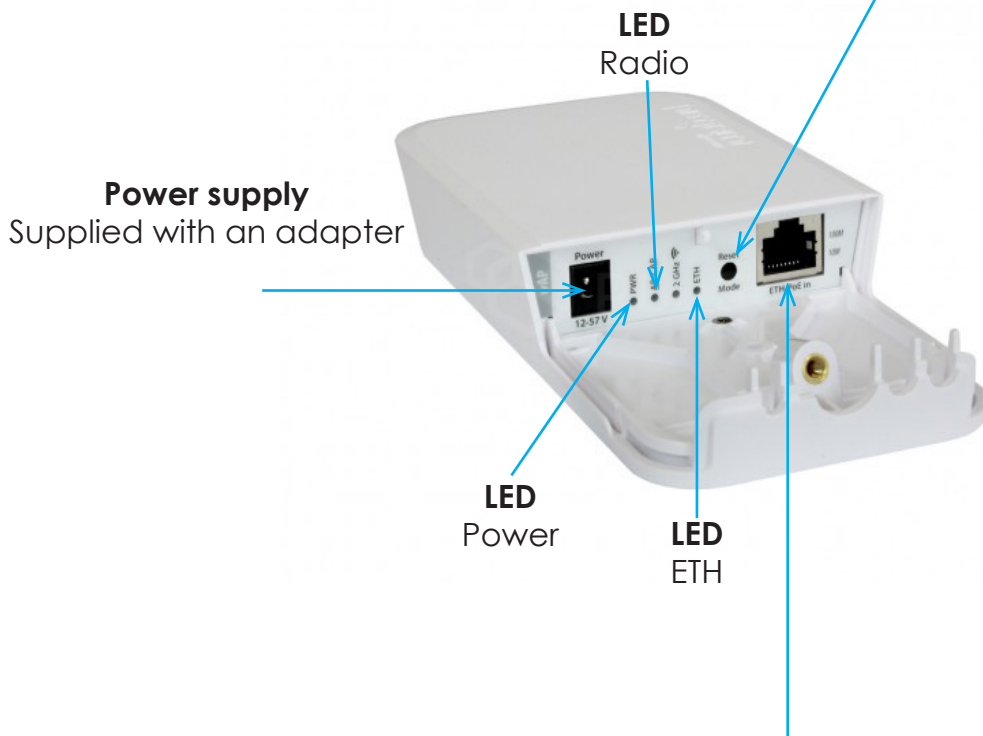

User Guide available www.digitear.eu

3 - ACCESS POINT DESCRIPTION

"Reset" button
Only for the technical service of Overline Systems, <u>not to be used</u>.

LED
Radio

Power supply
Supplied with an adapter
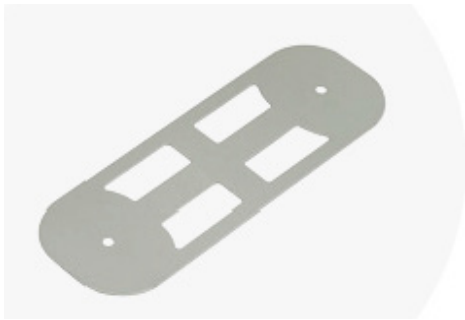
LED
Power

LED
ETH

Jack RJ45
Access to the Digitear.Network
It is recommended to use an RJ45 CAT5E U/UTP. cable.
Possibility to supply power to the antenna through a PoE switch (802.3 af/at).

4 - LIST OF SUPPLIED ACCESSORIES

AC adapter 24 V.

Bracket mount for wall or ceiling.

Local PoE Injector.
In the case of a connection to a non PoE switch

5 - ACCESS POINT INSTALLATION

5 - 1 Direct Installation to the TX-BOX :

Enables the installation of a single antenna with a maximum cable length of 10 m.

5 - 2 Installation with the supplied adapter:

RJ45/ CAT5E max 25 m cable.

Each antenna is powered by a local injector. The maximum distance from the injector to the antenna is approx. 25 meters.
An Ethernet switch can be used to connect multiple antennas to a TX-BOX, where each antenna is powered individually.

5 - 3 Installation with PoE switch:

RJ45/CAT5E max 100 m cable.

The antennas which are connected to the switch, are powered directly by the switch.

Recommended accessories:
- Switch MIKROTIK RB960PGS hEX PoE.
- Mikrotik RBGPOE-CON-HP PoE adapter in order to ensure compatibility with each switch PoE 8 ports IEEE 802.3af/at.

6 - *TECHNICAL FEATURES*

Acces Point

Supply voltage (DC)	11 V to 57 V
Frequency band FCC/IC	5150 - 5250 / 5725 - 5850 MHz
Frequency band CE	5150 - 5250 MHz
Output Power	Country dependent
Maximum power consumption	12 W
Service temperature range	5 °C to +45 °C
Open field range (@DE-DPS)	50 meters
Usage	Indoor
Type of power supply	Adapter 24 V / PoE (802.3 af/at)

Technical notes

For maximum coverage the antenna is to be installed as high as possible and the front panel orientated towards the area of use.

The "RESET" button shall not be used because it reprograms the antenna with the manufacturer's default settings. The provided Overline Systems antenna was configured for utilization of the Digitear network.

The antenna configuration is compatible with the majority of network installations. A particular configuration can be realized upon request. Please contact our Overline Systems Support if needed.

Several ACCESS POINT can be installed via a PoE switch, to increse the radio coverage area.

Overline Systems - www.digitear.eu - digitear-support@overline-systems.com

7 - TECHNICAL TROUBLESHOOTING

- The BELTPACK does not connect:

  * Try again by placing the BELTPACK near the ACCESS POINT.

  * Try again with another BELTPACK.

  * Check connection between the ACCESS POINT and the TX-BOX.through the RJ45 cable.

  * Open the ACCESS POINT cover for visual inspection

> >- Check the presence of the Power LED. If the Power LED is not present, then contact the support.

> >- Check the presence of the Radio LED. If the Power LED is not present, then contact the support.

8 - WARRANTY

Elements NOT covered by the guarantee.
This warranty covers only defects in parts and manufacturing of the product. This warranty does not cover:
- Periodic maintenance and repair or replacement of parts as a result of normal wear and tear.

- Transportation costs and the risks associated with the sending and retrieval of the product by the final customer

- Any adaptation of the product which would be necessary for the purpose of complying with the technical or safety standards applicable in a country other than that for which the product was originally designed and manufactured;

- Consumable elements (elements which are intended to be replaced periodically during the life of the product, for example ear tips, batteries-beyond 12 months to date of purchase-, connecting cables, etc.);

- Damage or defects in the product resulting from:

- Improper use or installation of the product (use or installation not in accordance with the use to which the product is intended, installation or use not in accordance with the Digitear instructions or the technical or safety standards in force in the country where it is used, etc.)

- Maintenance of the product not in accordance with the Digitear instructions or negligence in the maintenance of the product.

- Improper handling or mistreatment of the product (false maneuvers, fall, shock, immersion, etc.) or an improper environment (poor ventilation, vibration, exposure to moisture, excessive heat, contact with sand or any Other substance, improper power supply, etc.)

- The use of the product with a product (hardware or software), consumable, accessory or peripheral not compatible or defective, an adaptation of the product for the purpose of complying with the technical or safety standards applicable in a country other than that for which the product was originally designed and manufactured;

- A modification or repair of the product not carried out by a service provider approved by Overline Systems

- Cases of force majeure, sinister (fire, flood, etc.), lightning, etc.

- Produit: DIGITEAR (TX-BOX, Charger Box, BELTPACK, INEAR)

      Warranty Period:
      24 months parts and labor in workshop
      Battery: 12 months (starting from the date of purchase)
      ACCESS POINT: Covered by the original manufacturer's warranty.

No sole accessory will be accepted or repaired by our repair centers.

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9 - *REGULATORY COMPLIANCE*

Regulary compliance information may be obtained by referring to the documentation delivered with the product (wAP series) or by visiting the following web page:
http://routerboard.com/doc/

Operations in the 5,15-5,25GHz band are restricted to indoor usage only.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.