



Low power POCSAG repeater designed to ensure indoor coverage and network continuity extending your paging network.

The PicoPOC Repeater is a POCSAG repeater designed and manufactured by TPL Systèmes. It is designed for people encountering paging coverage problems, typically inside buildings.

The PicoPOC Repeater provides the ability to receive and re-transmit all messages or selective POCSAG messages, effectively extending coverage provided by the paging network.

The PicoPOC Repeater is fully synthesized and available in VHF only. The product is easily set-up and installed and supplied with a 220/5V AC Power Supply Unit and is connected via a mini-USB output, located in the front case.

The PicoPOC Repeater supports three functioning modes:

- Full repetition - all RIC codes and POCSAG messages received will be re-transmitted
- Repetition by list - only pre-programmed RIC codes and related POCSAG messages will be re-transmitted. There is an option possibility to support a pre-programmed list of up to 90 RIC codes
- Repetition by prefix - only RIC codes beginning with a preprogrammed prefix or prefixes are re-transmitted. In addition, the option to support a list of up to 10 RIC code prefixes is supported, for example: 0241XXX to 024XXXX

The PicoPOC Repeater is supplied with a $\frac{1}{4}$ wave antenna and is equipped with a TNC antenna connector. This antenna can be replaced with an external antenna with a higher gain to further increase coverage.

Incorporation of a "test button" allows you to send test messages to a pre-defined pager. A long press on this button sends test messages in a loop in order to undertake coverage testing.



FEATURES

Repetition features

- 3 repeating modes:
 - Full repetition
 - Repetition on addresses list (up to 90 entries)
 - Repetition on addresses prefixes (up to 10 entries)
- Sub-addresses management
- Alphanumeric / Numeric / Tone only messages management
- Call comparison management, removes the risk of a message being repeated more than once

Main features

- Power supply with 220V/5V AC adapter, mini-USB cable
- Consumption: 90mA in Rx, 140mA in Tx
- Programming by customised software (English or French)
- Aluminium case
- Lateral fixing brackets included
- Weight: 300g
- Dimensions: 100mm x 100mm x 30mm
- Operating temperature and humidity: -10°C at +60°C, 95% at 40°C
- Storage temperature and humidity: -20°C at +85°C, 95% at 40°C

POCSAG features

- VHF supporting the following frequency bands:
 - 135 - 174 MHz
- Channel spacing: 12.5/20/25 kHz
- System modulation: NRZ
- Transmission speed: 512bps, 1200bps or 2400bps

Receiver performance

- Sensitivity at 512bps: -130dBm
- Selectivity: 60dB (± 25 KHz)
- Inter modulation protection: >60 dB
- Frequency stability: ± 2 ppm

Transmitter performance

- Power : +14dBm (25mW)
- Deviation frequency: ± 2.25 KHz (12.5KHz); ± 3.6 KHz (20KHz); ± 4.5 KHz (25KHz)

Package

- The PicoPOC Repeater is supplied with:
 - 220V / 5V USB adapter
 - Omni-directional antenna reclining to 90°
 - 2 x lateral fixing brackets

ACCESSORIES RANGE



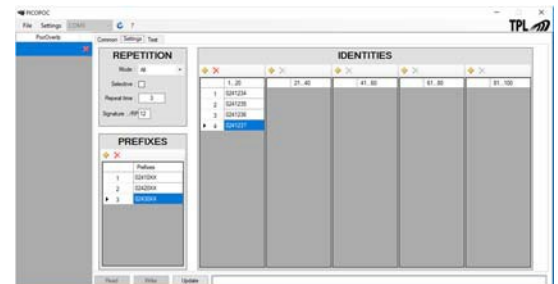
AC adapter



1/4 wave antenna
Frequency on demand



Additional fixing
brackets



Customization software

Contact Multitone for more details; info@multitone.com or 01256320292

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