

FM isofrequency adapter



The FM isofrequency adapter allow to synchronize one or more FM repeaters operating over the same area and using the same frequency. It is ideal for coverage area optimization, allowing to reuse the main coverage area frequency, to activate one or more gap-fillers.

Installation and setup is very quick: the unit must be connected between the STL receiver and the FM modulator and it will also generate a 10MHz reference signal used for the FM modulator: no GPS frequency reference is needed.

The unit can be controlled remotely with an optional internal webserver (opt.LAN) which will also provide a 9600bps general purpose serial port that can be used, for example, to control the connected transmitter.

The best results are obtained only through a careful planning of the iso-frequency network, so ITELSNC will provide a free consulting service for all customers interested.

Technical features:

- **Power supply**
100 - 240VAC 25VA
- **Dimension**
1 RU 19"44mm (H) x 483mm (W) x 150mm (D)
- **Operating temperature**
0°C +50°C
- **Input impedance**
10Kohm
- **Nominal input level**
775mV RMS - 2.2Vpp
- **Passthrough gain**
0dB
- **Bandwidth**
1Hz - 75KHz
- **Bandwidth flatness**
+/-0.1dB
- **Adjustable delay**
1390uS +4995uS / -1245uS
- **MPX phase control**
+/- 180°
- **Reference frequency output**
10MHz/2500Hz (internally selectable)