

IP Interface

FT 636



FunkTronic
Kompetent für Elektroniksysteme

General Properties

The FT636 IP Interfaces is developed to remote control a basestation. For this purpose it uses VoIP (Voice over IP) and RoIP (Radio over IP). Therefore almost unlimited distances can be bridged. Because audio data and control data are transformed to TCP/IP over ethernet, every local area network (LAN) or the Internet can be used for transmission.

Properties

- Supports two radio circuits / base stations with
 - AF In/Out (DC isolated), 2-wire or 4-wire
 - PTT Out (potential free)
 - Squelch In
 - 4 Control Outputs (digital, channel switching)
- RS232 für
 - Programming purpose
 - Data transmission
 - Adjustment
- 5 further control inputs
- USB interface for
 - Import of configuration files
- Network interface (Ethernet)
- Pilot tone decoder 3300Hz and filter
- 5 tone sequence decoder
- Configuration via webbrowser (Internet Explorer, Firefox, ...)
- FMS/FFSK decoding and forwarding

The FT636 IP Interface is available in two different housings:



- aluminum black box

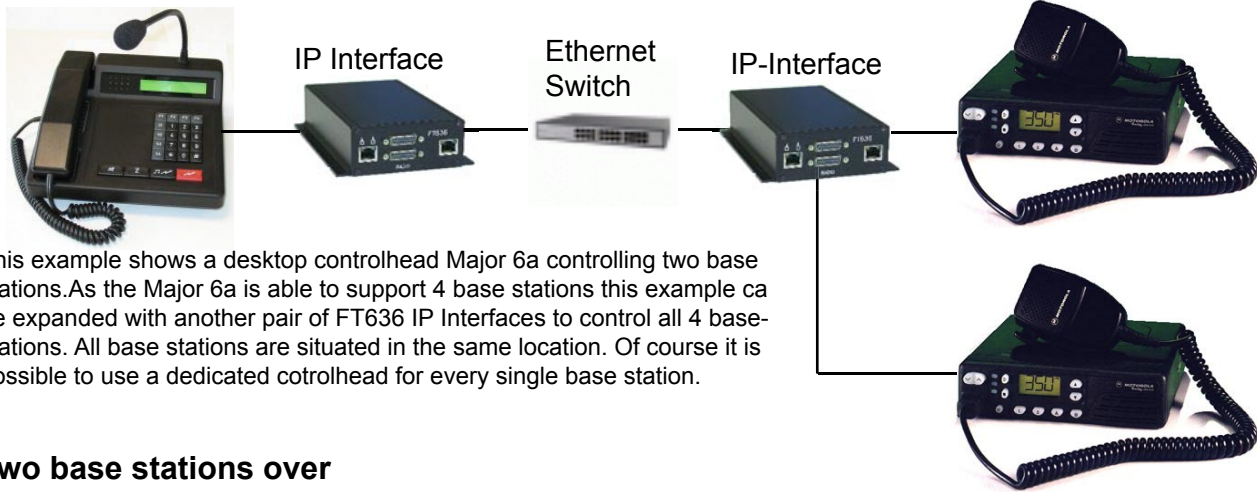


- 19 Zoll cartridge

Examples of configurations

Two base stations over local area network(LAN)

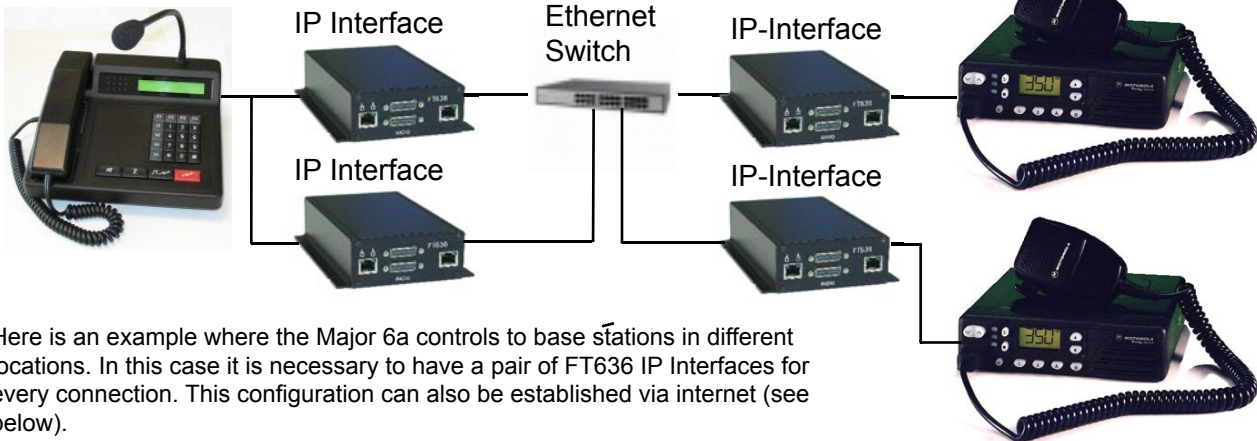
Major 6a



This example shows a desktop controlhead Major 6a controlling two base stations. As the Major 6a is able to support 4 base stations this example can be expanded with another pair of FT636 IP Interfaces to control all 4 base stations. All base stations are situated in the same location. Of course it is possible to use a dedicated controlhead for every single base station.

Two base stations over local area network(LAN) to different locations

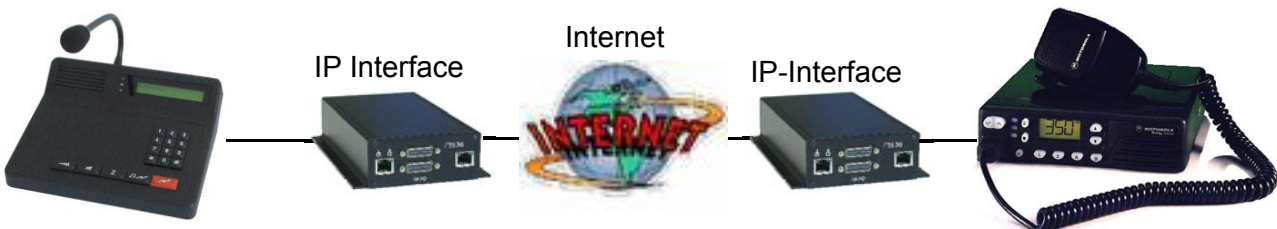
Major 6a



Here is an example where the Major 6a controls two base stations in different locations. In this case it is necessary to have a pair of FT636 IP Interfaces for every connection. This configuration can also be established via internet (see below).

One base station over Internet (WAN, DSL)

Major 5a



In this example the Major 5a controlhead connects to one base station via the Internet. Of course it is possible to control two base stations as shown in the first example.

A sufficient fast internet connection is required

- 1 base station: min. 96kBit/s
- 2 base stations: min. 160kBit/s

Data

Supply Voltage	12 V
Weight	ca. 525 g
Dimensions W x D x H	104 x 44 x 175 mm
Input Impedance Radio	600 Ohm
Output Impedance Radio	600 Ohm
Output Level Radio	-30 ... +3 dBm, preset to -10 dBm
Input Level Radio	-22 ... +4 dBm, preset to -17 dBm
NF-Coding	PCM, 8Bit, 64kBit/s, u-Law, G.711

Ordering Information

Order No.	Description
636000	FT636 Network Interface
636010	FT636 Network Interface 19"