WorldCast Systems
deliver > transmit > monitor

ECRESO

FM RECEIVER SILVER

DEMODULATION FM RECEPTION | DOUBLE MPX OUTPUT | AUDIO ANALOG AES OUTPUT | INTERNET TCP/IP | GPIO

Platform for
Rebroadcasting FM signals

POWERFUL PERFORMANCE

- Highly featured yet affordable rebroadcasting platform
- Return path can be used for audio transport / talkback applications in conjunction with an audio codec (such as APT)

POWERFUL CONTROL

- Keep and save all settings in user-configurable presets
- Easy Installation and operation
- Serial port communication (bench configuration and reporting)
- The IP/IO features offer contact closures (GPIO) and a TCP/IP connection for remote configuration and SNMP management

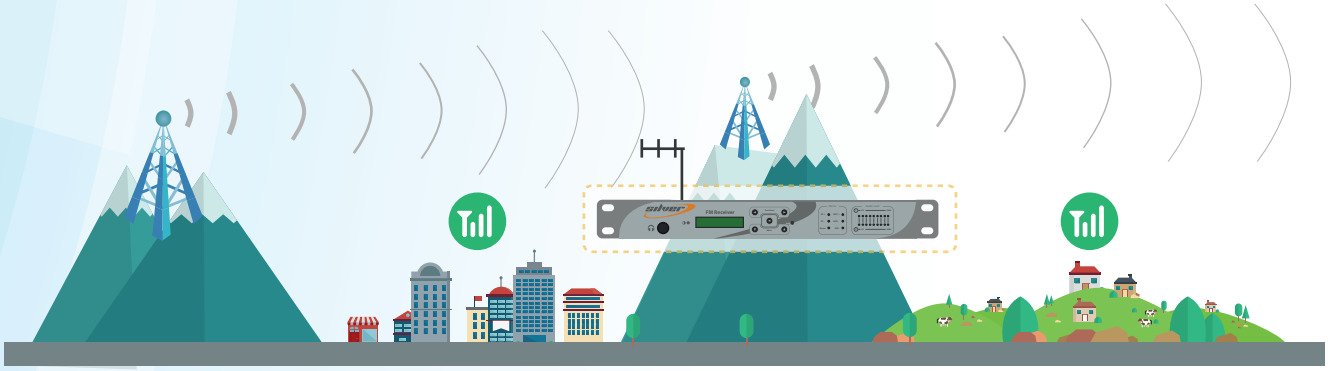
POWERFUL SAVINGS

- Easy Installation and operation
- Double MPX output for installation of 1+1 or Dual Drive transmitter systems
- Compatible with any transmitter

Applications

OVERVIEW

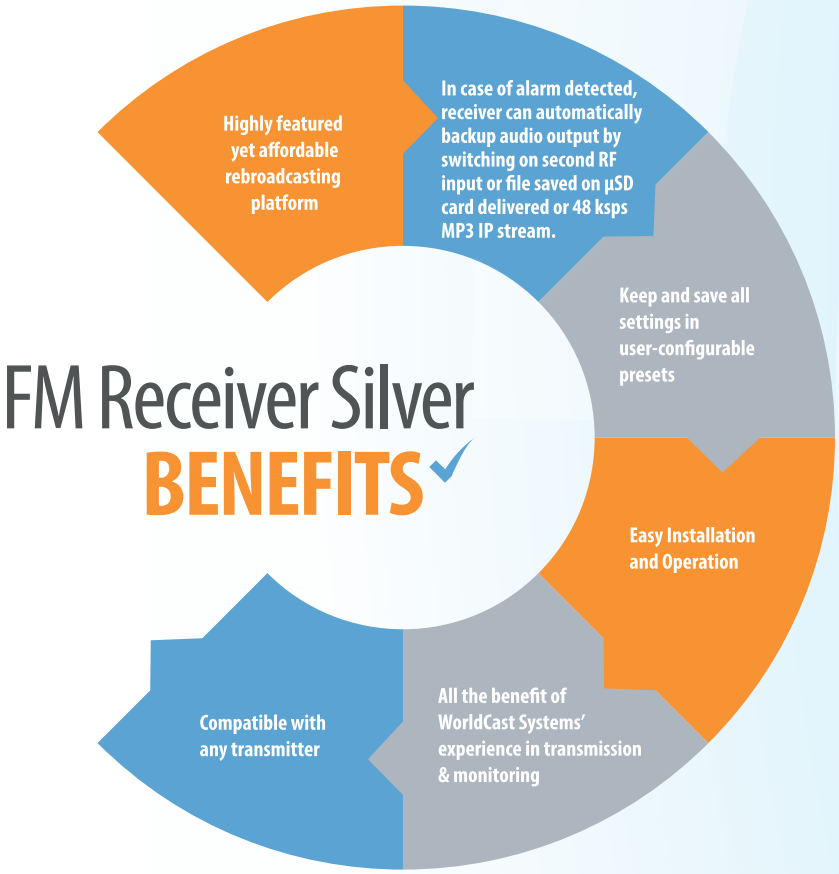
The FM Receiver Silver is a professional FM Rebroadcast Receiver which offers great performance while remaining easily affordable for broadcasters. Designed by WorldCast Systems' experienced R&D team, the FM Receiver Silver is capable of receiving a signal in difficult circumstances and outputing an MPX baseband or audio signal which can be used for high quality retransmission by any make of transmitter. This enables a broadcaster to provide complete coverage in shadow areas, tunnels and other "hard to reach" areas

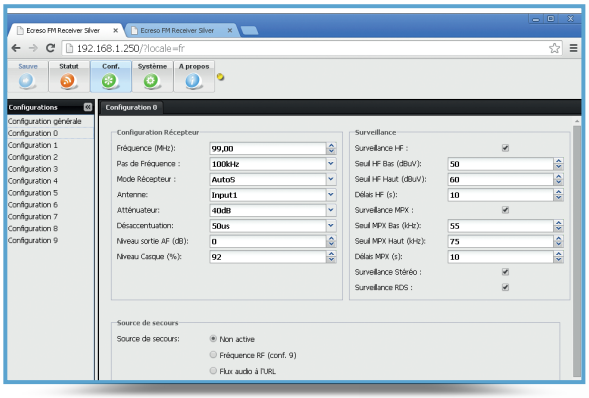


Key Features

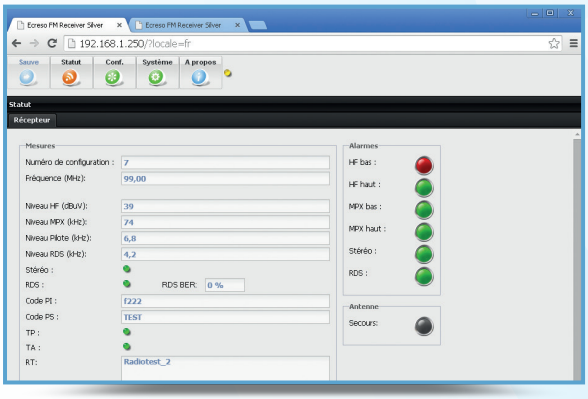
FEATURES

- Keep your signal on air
- Continuous signal monitoring
- Simple management and control
- Compatible with all makes of FM Transmitters
- Backup received signal from different source: RF input, dedicated µSD Card or IP Streaming





Configuration Page



Status Page

Technical Features

Technical specification

Technical Features
Double RF input agile - 87.5 – 108 MHz
Automatic Switching between main and backup frequency
Selectable IF Bandwidth for easy installation on full FM spectrum
Selectable de-emphasis 50/75 µs.
Advanced Backup Management (RF /IP stream / µSD)
All the output you need
Double MPX output independent Levels
Both AES and Analog signals available enabling additional or backup path
Headphone Output
Signals and data
MPX level
Pilot level
RDS level and BER
Audio Level Bars
RDS Decoder : PI, PS, TP/TA, MS, DI, PTY, AF list, CT, RT
Advanced communication
Serial port communication (bench configuration and reporting)
Web Interface
SNMP
GPIOs

Inputs
2x RF
Outputs
2x MPX
Audio Analog
AES
Headphone
Inputs & Outputs
RS232
µSD
Ethernet

Order information

STANDARD VERSION	
REF	DESCRIPTION
TF00389	FM RECEIVER SILVER

Physical specification

External Dimensions (W / L / H)	483 (19") x 1U x 379
Weight	≈ 3,4 kg
Power supply voltage	88 V – 264 V AC
Power supply frequency	47 Hz - 63 Hz
Power consumption	≈ 45 VA
Temperatures	0°C - +50°C
Storage Temperatures	-20°C - +70°C
Humidity	10-95% non-condensing relative humidity

Technical specification are subject to change without prior notice – 09/2015