

PROFLINE

BROADCAST MONITOR

PLUS1 FM

FM MONITOR AND RE-BROADCAST UNIT
HIGH POWER LOW NOISE FRONTEND
HIGHRES DISPLAY + MONITOR SPEAKERS



Features:

- FM legacy receiver
- RF input stage with automatic gain control
- 2 antenna inputs
- MPX output for rebroadcast
- Monitor speakers (stereo)
- XLR audio (balanced) digital and analog
- Highres display
- RDS data decoding
- IP port for HTTP based GUI and SNMP
- Supervising and logging facilities for RF, Audio, RDS, etc.

The successor of our world famous SFD is PLUS1 FM. It has the unique RF frontend design for FM with high power. This unit will reliably supervise your broadcasts 24/7.

A highres display with intuitive front panel makes the unit easy to operate. It has a local/remote switch to indicate any change of settings in a managed network. All functions are fully remotely operated by web browser and SNMP.

The PLUS1 FM broadcast receiver responds to the demands from the professional market and fills the gap between a low-cost consumer and a high-end measurement unit.

TECHNICAL SPECIFICATIONS

RF INPUT A&B

RF frequency range FM	87 – 108 MHz (other on req.)
Sensitivity	- 92 dBm (15 dBuV)
Max. input level	13 dBm (120 dBuV)
VSWR	> 10 dB
Input connector	BNC 75 Ω

FM SPECIFICATIONS

Image rejection	70 dB
Adjacent channel rejection	65 dB
Frequency range <0.5 dB	30 Hz to 15 KHz
Stereo separation 1 KHz	43 dB
Signal/Noise (S+N)/N	-70 dB Stereo mode
THD (IEC)	-63 dB

MEASUREMENTS

RF	Field strengths
FM CNR	Yes
RDS BLER	Yes
Audio Silence Detectors	Yes

MPX OUTPUT

Bandwidth	100 KHz
Connector	BNC 75Ω
MPX over IP	Option

AUDIO OUTPUT

Analog level reference	6 dB rms @ 40 KHz dev.
Digital level reference	-9 dBFS pk @ 40KHz dev.
Analogue audio out	XLR 30 Ω (Balanced)
Digital AES3 out	XLR 110 Ω

MANAGEMENT

WEB user interface	Yes, HTTP
Remote control	SNMP
MP3 remote streamer	Option

IP PORTS

Protocol	TCP and UDP
Port Type	Ethernet RJ45, 10/100/1000 Mbps

ALARM CONTACTS

Number of relays (status/alarm)	4 status / 1 alarm
Contacts	Potential free

GENERAL

Main power	100-240 VAC, 50/60 Hz
Power connection	IEC panel-mount/fuse 2.5 AT
Safety and EMC	According to CE regulations
Housing	Standard PROflin housing
Housing dimensions	19 inch x 1u x 330 mm (depth)
Weight	4,5 kg