



Ecreso RXR2

Professional FM re-broadcast receiver

Introducing the latest professional FM receiver, crafted with the renowned Audemat expertise in RF measurement and analysis. This cutting-edge receiver is built on a digital-based platform, with 2 independent FM receivers, ensuring superior performance and precision.

It also comes with a user-friendly web interface, making it accessible and easy to operate for all broadcasters.

Additionally, the integration of ScriptEasy technology for site supervision offers unparalleled control and automation capabilities, solidifying this receiver as an essential tool for any broadcasting professional.



Dual Receiver



RDS
Decoding



Multiple
Outputs



Real Time
Measurement



Telemetry

Benefits



Scalable Platform

Designed to meet broadcasters needs, the Ecreso RXR2 is continuously enriched with new software functionalities to adapt to increasing demand for the rebroadcasting chain. Highly scalable, the platform is also ready for DAB rebroadcasting.



High Quality to Listeners

Experience unparalleled audio quality with our FM receiver, thanks to its advanced digital software architecture. By performing all processing at the digital level and delivering outputs in digital formats (audio and MPX), it ensures crystal-clear sound. Additionally, sophisticated filter algorithms enhance the demodulated signal quality, providing listeners with an exceptional auditory experience.



Rebroadcast Expertise

WorldCast Systems excels in rebroadcasting, seamlessly integrating two core competencies: FM monitoring measurement and FM transmission. With over 30 years of expertise in crafting transmitters, monitoring equipment, and professional receivers, we lead the FM market. Our commitment to quality and innovation ensures reliable solutions that meet the diverse needs of broadcasters worldwide.



User-friendly INTERFACE AND REMOTE CONTROL

The Ecreso RXR2 can be managed without effort. Its responsive & secured web interface allows complete configuration and monitoring of the system. It also includes full SNMP v2c and v3 management, allowing remote monitoring as well as easy integration into NMS such as KYBIO.



Dual INDEPENDENT RECEIVER

The Ecreso RXR2 features dual independent FM tuners, enabling the simultaneous decoding of two FM programs.

Thanks to built-in monitoring, the unit automatically switches to the second backup frequency upon audio loss. In the event of failure on the backup, the automatic mute feature automatically disables all outputs.



Real-time MEASUREMENT & MONITORING

The Ecreso RXR2 provides detailed and accurate measurement of all signal parameters graphically. An extensive list of configurable parameters allows the monitoring of all changes in the program with alarms and notifications.



Multiple OUTPUTS

With its numerous outputs, the RXR2 is the ideal receiver for your retransmission sites! Whether you need MPX or audio broadcasting, the RXR2 offers both analog and digital outputs to meet all your needs.



ScriptEasy

ScriptEasy is the revolutionary facility control software developed by WorldCast Systems to create "Smart" sites and automatically correct any critical errors that affect operations. Featuring an intuitive Graphic Scripting Interface, the ScriptEasy allows to create your own autonomous sites and to bring intelligent monitoring and control at network scale.

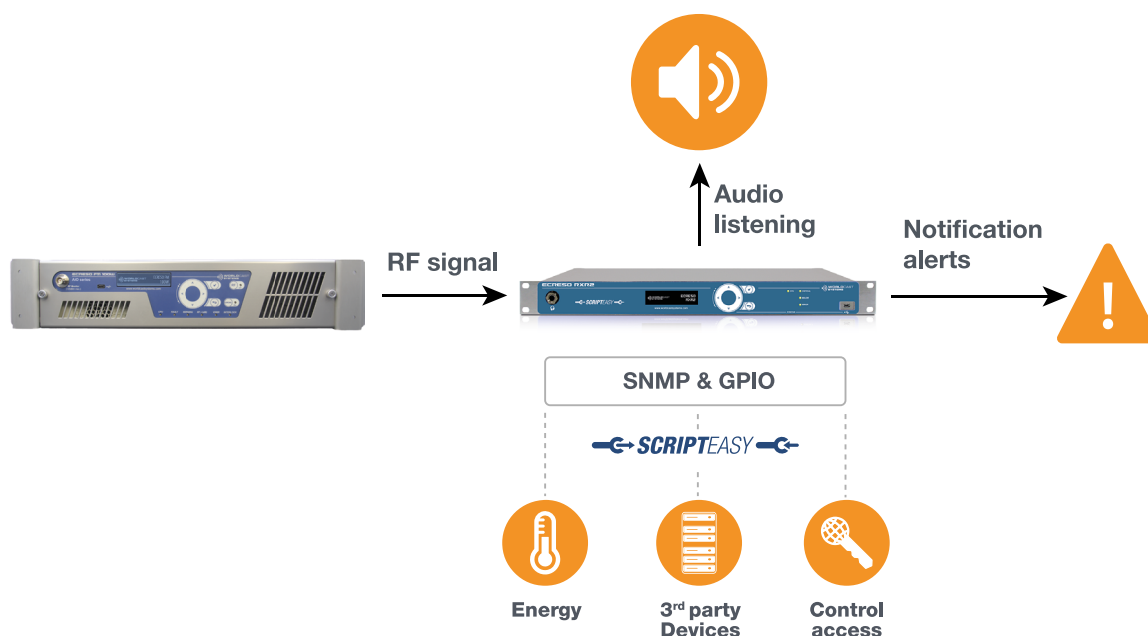




Retransmission FOR BOOSTERS AND TRANSLATORS



On-site MODULATION MONITORING



Monitor your FM transmitters for **FREE** with **Kybio**



FREE during 1 year! Discover the benefits of monitoring your FM transmitter network with Kybio! From a single screen, visualize the status of your FM programs over the different transmission sites and optimize your services to maximize the ON-AIR time.



RF INPUT	
Tuning range	FM Band – 87.5 – 108MHz
Frequency step	10kHz
Connectors	2x BNC connector
Impedance	50 Ω
RF level range	20dBμV to 95dBμV
Selectivity at ± 120kHz	> -50dB
Selectivity at ± 200kHz	> -55dB
Selectivity at ± 300kHz	> -75dB
Selectivity at ± 400kHz	> -90dB
OUTPUTS	
Analog MPX	2x BNC type, unbalanced, >5kΩ
Analog audio (L&R)	2x XLR connectors, balanced, > 10kΩ
Digital Audio/MPX	1x XLR connector, balanced, > 110 Ω
Headphone	1x 6.35mm connector
STEREO DECODER	
SNR	> -55dB
Sensitivity	> -75dB >60dB, at 60dB SNR, 40dBμV RF level & 75kHz deviation
THD	<0.15%
L/R Separation	40dB
Crosstalk	45dB

INTERFACES	
USB	2x B type connector
Ethernet	2x RJ45 connector
Relays	8x SPDT 1A – 30V
Digital inputs	16 – internal or external power supply
Metering inputs	4x (0 – 50V)
PHYSICAL & ENVIRONMENTAL	
Dimensions (L x H x D)	19" (483mm) x 1U (42mm) x 180mm
Weight	2.4kg
Operating temperature	0°C to +50°C
Storage temperature	-30°C to +80°C
Humidity	10% to 95%, non-condensing relative
Voltage	IEC connector, 100-240VAC / 50 – 60Hz
Power consumption	25VA
Standard & Markings	CE, EN-302 018-2, IEC 62106
RDS ENCODER	
Level measurement	RDS level (kHz), BER level (%)
Decoded parameters	PI, PS, TA, TP, PTY, RT, MS, CT
Output	MPX output, serial

Technical specifications are subject to change without prior notice - On project, WorldCast Systems may offer distinct specifications. Specifications on the offer prevail those in this document.

Order Information

PRODUCT	DESCRIPTION
TF01255	Ecreso RXR2 - FM Receiver
SP02847	Redundant AC power supply
CD00064-10	ScriptEasy license for SNMP 3rd party devices
SU-WCS-CPT	1-year premium support agreement including software update, priority support and warranty

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