



- The system 5000 is a long range broadcast quality audio radio link, designed for easy handling and high reliability.
- BS 5000 Tx has a **RF power higher than 30W**, and **5 audio inputs with switchable micro/line gain selector**. This versatility allows you to use virtually any situation.
- RS 5000 Rx gives a high sensitivity in signal reception, and a great resistance to interferences. These features ensure the correct working of the receiver with all kinds of electronic equipment.
- Both of them have a complete backlit display with navigation keys acting and posing all parameters, alarms and equipment selections.
- Accept power supply 90-250 VAC and 12 VDC.
- It is 19" format, so it can be installed in a standard rack.

# SYSTEM 5000

## ANALOG MOBILE AUDIO LINK

### TECHNICAL SPECIFICATIONS:

#### Radio

##### BS-5000 TRANSMITTER

Frequency range: 174-500 MHz, 40 MHz window  
Number of channels: Up to 200, programmable  
Modulation: FM  $\pm 20$  KHz  
Output power: 30W over charge of 50  $\Omega$   
Spurious emissions:  $< -65$  dBc  
Output impedance: 50  $\Omega$

##### RS-5000 RECEIVER

Frequency range: 174-500 MHz, ventana de 40 MHz  
Number of channels: Hasta 200 programables  
Modulation: FM  $\pm 20$  KHz  
Output power:  $> 0,5$  V para 20 dB SINAD  
Spurious emissions:  $< -2$ nW  
Output impedance: 50  $\Omega$

#### Audio

##### BS-5000 TRANSMITTER

Audio input: **Balanced Micro/Line selectable**  
NR System: **"SILENZO+" compressor limiter ON/OFF selectable**  
Input impedance: **600  $\Omega$  and 10 K $\Omega$  balanced**  
AF bandwidth: **5 / 7,5 / 10 / 12,5 KHz configurable**  
Distortion:  **$< 0,3\%$**   
SNR:  **$> 65$ dB (with 75  $\mu$ s 12,5 KHz audio bandwidth and  $\pm 20$  KHz deviation)**  
Pre-énfasis: **50 $\mu$ s, 75 $\mu$ s o sin pre-énfasis**

##### RS-5000 RECEIVER

NR System: **"SILENZO+" compressor limiter ON/OFF selectable**  
Output base: **2x balanced XLR3  
2x unbalanced BNC**  
AF bandwidth: **5 / 7,5 / 10 / 12,5 KHz configurable**  
Distortion:  **$< 0,3\%$**   
De-emphasis: **50 $\mu$ s, 75  $\mu$ s or without de-emphasis**  
SNR:  **$> 65$ dB (with  $-47$  dBm and  $\pm 20$  KHz deviation, 70 $\mu$ s de-emphasis and 12,5 KHz audio bandwidth)**

#### General

##### BS-5000 TRANSMITTER

ON/OFF switch  
Temperature range:  $-10^{\circ}\text{C}$  to  $+50^{\circ}$   
Mechanized aluminum case  
Input power: 90-250 VAC; 12 VDC  
VDC reverse polarity protection  
Audio monitoring: Headphones jack connector with level control  
Ventilation: Two fans to forced convection  
Dimensions: 355x85x295 mm, with 19" 2U rack adaptor  
Weight: 3 kg

##### RS-5000 RECEIVER

ON/OFF switch  
Temperature range:  $-10^{\circ}\text{C}$  to  $+50^{\circ}$   
Mechanized aluminum case  
Input power: 90-250 VAC; 12 VDC  
VDC reverse polarity protection  
Audio monitoring: Headphones jack connector with level control  
Squelch control: In front panel  
Dimensions: 355x85x295 mm, with 19" 2U rack adaptor  
Weight: 4,2 kg

Specifications subject changes without notice.