

# KENTA

The specialist of Radio Frequency Communication systems

## KRX-2072

MF/HF ED137B compatible receiver  
For Maritime Applications

### Typical Applications

- Voice and DSC Reception for GMDSS in the HF and MF band
- Suitable to receive maritime security and safety information (GMDSS MSI)
- Model with NAVTEX reception available

### Main Features

- All IP RX: ED137B Interface + Remote control and monitoring through Web & SNMP
- Easy to install, to setup and to use
- Operation modes : Voice, DSC, NAVTEX(optional)
- Demodulation of any signal even in presence of a high disturbing signal at any frequency thanks to analog preselector filter and dedicated analog IF filter



## KRX-2072

### General Specifications

<b>Hardware:</b>	19" - 1U Weight : 4 kg
<b>Dimensions:</b>	44mm (1RU) x 483mm x 570mm
<b>Power Supply:</b>	110VAC to 230VAC autorange + 48VDC on-demand
<b>Power Consumption :</b>	40W
<b>Operating Temperature:</b>	-20°C to +50°C
<b>Humidity :</b>	90%
<b>IP in/out:</b>	Ethernet 1000/100/10Base T 1xRJ45 connector with Led indicators Protocols : HTTP ; HTTPS ; FTP ; TFTP ; UDP ; RTP ; TCP ; NTP ; SNMP, SNMP
<b>Audio out :</b>	VoIP with SIP - compliant with ED137B Line out mono audio on 600Ω balanced
<b>Control :</b>	Integrated Web Server (HTTP/HTTPS interface) LCD display for local monitoring with LED indicators on front panel
<b>Standards :</b>	EMC : EN-301 489-1, 55032 ,55024 Radio : EN 301 402, ITU R.M. 493-14, EN 300 338-1&2 Safety : EN 60950-1

### RF Specifications

<b>Rf in:</b>	50Ω BNC female connector
<b>Frequency Range :</b>	100kHz-30 MHz
<b>Frequency Stability:</b>	+/- 0.3 ppm typical +/- 0.1 ppm with GPS module
<b>Operation Modes :</b>	USB, LSB, A3E, H3E, J2B, F1B
<b>Sensitivity @ 10 dB SINAD for F &gt; 1.6MHz:</b>	
AE3 (AM) :	< -107 dBm (1μV)
J3E (USB/LSB) :	< -113 dBm (0.5μV)
F1B (DSC) :	< -116 dBm (0.35μV)
<b>Selectivity @ 3dB:</b>	
F1B (DSC):	-55dB @± 1kHz
J3E (USB/LSB):	-55dB @-2kHz to +5kHz
<b>Dynamic Range :</b>	-116 to +7dBm
<b>Distorsion :</b>	< 5%
<b>Audio Frequency Response :</b>	
	Ripple in bandpass < 3dB (audio bandwidth)
<b>Squelch :</b>	
	Adjustable RSSI or digital voice squelch

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### Main Ordering Information:

~KRX-2072

MF/HF Receiver with ED137B Interface

KRX-2072 Product Datasheet  
Specifications subject to change without prior notice  
Document with no contractual value