



COMPANION



GENERAL DESCRIPTION

ONAIR FM WARNING RECEIVER is housed in 200x200x275 mm chassis. It has 20 Watt output power and supports radio data system alarm features. When it is activated the alarm function of RDS from studio, the recorded alarm voice of the receiver runs even when you are listening an other FM frequency or AUX. It displays PSN, RT, PTY, PI, TA, TP, RSSI and CT parameters of the receiving FM radio station. It has also volume adjustment potansiometer and audio source selection switch on the front panel. It displays the humidity in the air, ambient temperature and clock while it is switched off. The alarm fuction is active in this mode also. It can be connected to the other speaker and listen to stereo. GPIO ports has signal quality indicators which are logic high when signal parameters above specific values. RS485 port is used to support the scrolling LED bar receiving the radio text(RT) message from studio.

Key Features of Receiver:

- FM Band Support 87.5 – 108 MHz
- Digital FM Tune/Seek with 10 preset memories
- 2x16 Line LCD
- 20 Watt Speaker
- FM Radio Data Services (RDS) decoding
- Left/ Right/ Mono selection
- PTY search
- 3.5mm AUX in jack, DOCK in
- Battery Charging after iPhone / iPod Docked-in
- USB communication port
- RS485 communication port
- GPIO outputs for signal indicator(RSSI,SNR,PTY)
- Audio record input for alarm voice(3.5mm stereo jack)
- Audio volume control
- Auto clock updating from RDS
- Clock Alarm
- Stereo Vumeter
- 90-250VAC supply

FRONT PANEL

- 2x16 Line LCD for displaying
- Stereo Vumeter
- 6 buttons for controlling
- Stereo potantiometer for volume control
- On/Off switch
- Audio source switch (FM/AUX/DOCK)
- 20W speaker and 2 holes for high sound performance

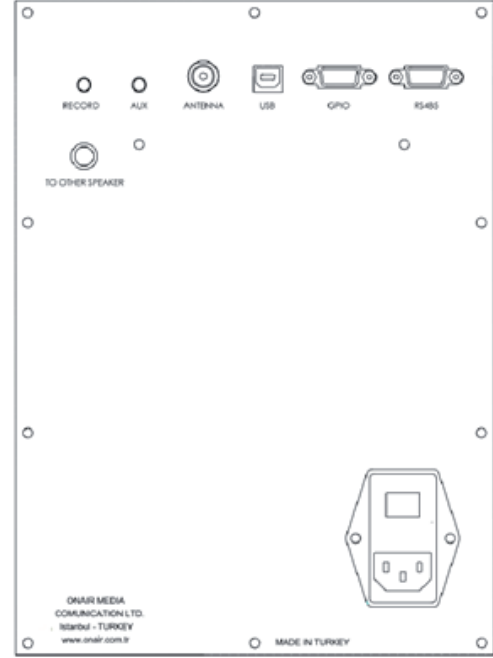




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REAR PANEL

- 3.5 mm jack for record input
- 3.5 mm jack for aux input
- BNC for RF input
- USB communication port
- RS485 communication port
- GPIO port
- Other channel output for stereo listening
- AC power input



Technical Parameters

Parameter	Min.	Typ.	Max.	Unit
FM Band	87.5	-	108.0	MHz
Sensitivity	-	2.2	3.5	uV EMF
RDS Sensivity	-	10	-	uV EMF
Adjacent Channel Selectivity	35	50	-	dB
Alternate Channel Selectivity	60	70	-	dB
Audio Stereo Separation	35	42	-	dB
Audio Mono S/N	55	63	-	dB
Audio Stereo S/N	-	58	-	dB
Audio THD	-	0.1	0.5	%
Intermod Sensitivity	-	40	-	dBuV
MECHANICAL & ELECTRICAL SPECIFICATIONS	Height			27.5 cm
	Depth			20 cm
	Width			20 cm
	Weight			4.5 kg
	Power Supply	90-250V single phase AC (+10 / -15 %) 50-60Hz ±5 % DC		
	AC Power Consumption	40 VA		
ENVIRONMENTAL	Operating temperature	15 to +45 °C/ 5 to +104 °F		
	Relative humidity (non condensing)	90 % MA		
	Max. Operating altitude	4000m on sea levels		