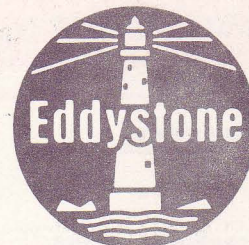


# Eddystone Radio Limited

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## AM/FM

Model 1570

## General Purpose Receiver

### GENERAL DESCRIPTION

The Eddystone Model 1570 is a low cost, fully solid state AM/FM general purpose receiver. Model variants cover the requirements of both professional and semi-professional users.

The 1570 utilises advanced techniques and components of the type normally found in professional communication receiver equipment. Added features include such facilities as unambiguous digital readout display of the tuned frequency, LED array indicator for the display of the selected range band, wide frequency range coverage of long, medium and four short-wave bands, plus international FM broadcast coverage, an 'S' meter for peaking-in on weak reception signals, BFO and Product Detector for CW and SSB reception. An EFFICIENT AFC system works on reception of both FM and AM signals.

The receiver is compact, lightweight and elegantly styled in the modern trend. The audio stages can be used independently for an auxiliary input source and provision is made to facilitate tape recorder reproduction. Power for the receiver can be derived from the AC Mains Supply (100-120V and 200-250V 40-60Hz). Provision is also made for connection to an external 12V DC supply of negative earthed polarity.



Performance

Frequency Coverage	FM	88 - 108MHz
	1	14 - 30MHz
	2	8.5 - 18MHz
	3	3.5 - 8.5MHz
	4	1.5 - 3.5MHz
	5	550 - 1500 kHz
	6	150 - 350 kHz
Sensitivity	FM	5 $\mu$ V for 30dB S/N with 22.5kHz deviation
	AM	3 $\mu$ V for 12dB S/N
	CW	2 $\mu$ V for 12dB S/N
Intermediate Frequencies	FM	10.7MHz
	AM	455 kHz.
Selectivity	FM	250 kHz at -6dB
	AM 1.	4 kHz at -6dB; 12kHz at -40dB
	2.	10 kHz at -6dB; 28kHz at -40dB
Image Rejection	FM	80dB at 90MHz
	AM	50dB at 2MHz; 25dB at 22MHz
IF Breakthrough	FM	90dB at 90MHz
	AM	70dB at 2MHz
AGC Performance on AM	Less than 8dB change in output for 80dB increase in input.	
AFC	Efficient control range on AM/FM.	
BFO Range	$\pm$ 3kHz.	
Audio Output	2.5 Watts max. into 4 $\Omega$ ; 1 Watt at 1% distortion.	
Audio Response	Within 6dB 100Hz - 12kHz	
Temperature	0-40 $^{\circ}$ C.	
Power Supplies	AC supply 100-120V and 200-250V (40-60Hz). Optional internal rechargeable sealed lead-acid battery. External 12V DC supply (negative earth).	
Resolution of Digital Display	1570/1:	FM 10kHz AM 1kHz
	1570/3:	FM 100kHz AM 1kHz
Dimensions	Height:	132.5mm Width : 410mm
	Depth :	330mm Weight : 9 kg.

Other Facilities

Economy circuit when internal battery is fitted.

Tape record output ) 5 pin standard  
Audio input ) DIN connector

FM Mute

Telescopic aerials For FM use with limited AM use.  
Headset Low/medium impedance.

Our equipment is designed generally to meet "British Defence Specification 133 Class L2".

As we are always seeking to improve our products, the information in this document gives only general indications of product capacity, performance and suitability, none of which shall form part of any contract. The information herein is subject to confirmation at the time of ordering.