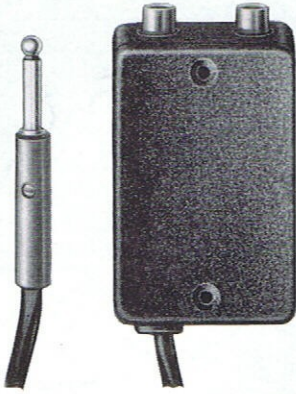


EDDYSTONE ACCESSORIES

DUAL JACK UNIT

This unit is designed to permit two operators to listen simultaneously on telephones to the signals from a receiver. Two jacks are housed in a small diecast box, dark polychromatic wrinkle finish. A length of flexible lead terminates in a standard type of telephone plug for connection to the receiver.

Cat. No. 879 . . . £1 6s. 8d.



DOUBLET AERIALS

The Eddystone Doublet Aerial gives improved results compared with a single wire type of aerial and is particularly efficient on short waves. The two arms forming the aerial proper can be strung in any convenient position (as high as possible) and the flexible insulated twin-feeder brought in through any convenient aperture without the necessity of additional insulation. Pick-up of electrical interference is minimised with a consequent reduction in back-ground noise. Supplied complete and ready for immediate installation.

Cat. No. 731/1 (100 ft. feeder cable) £3 3s. 3d.

MOUNTING BLOCKS

Diecast aluminium blocks tapering from 2 1/2" at the front to 1 1/2" at the back. Placed beneath a receiver, these blocks lift the front panel to a more convenient operating position. Length 6 3/4". Fixing screws are provided.

Cat. No. 774	Black wrinkle finish	.. ..	per pair
			11s. 6d.
Cat. No. 774/B	Dark polychromatic wrinkle finish	.. ..	11s. 6d.
Cat. No. 774/E	Oyster Grey hammer finish	.. ..	11s. 6d.



NOTE

We manufacture a number of receivers essentially for professional needs and covering a very wide range of frequencies. Should you have special interests, or if your requirements are not fully met by one or other of the receivers described in these pages, information on other models can be obtained either direct or through our Agents.

MANUFACTURERS:

STRATTON & CO. LTD.

ALVECHURCH ROAD, BIRMINGHAM 31, ENGLAND

Cables: STRATNOID, BIRMINGHAM. Telephone: PRIORY 2231/4

Printed in England

(HEJ 7/61)

Office Copy

EDDYSTONE



RECEIVERS

EDDYSTONE ACCESSORIES

LOUDSPEAKERS

The case is a substantial aluminium alloy diecasting in which is housed a permanent magnet, high efficiency speaker of 5" diameter. Overall diameter 7". Impedance 2.5 to 3 ohms. Polished chromium-plated feet.



- Cat. No. 688 Black wrinkle finish .. £3 3s. 3d.
- Cat. No. 688/A Grey hammer finish .. £3 3s. 3d.
- Cat. No. 688/B Dark polychromatic wrinkle finish .. £3 3s. 3d.
- Cat. No. 688/E Oyster Grey hammer finish £3 3s. 3d.



Housed in a deep drawn steel case and fitted with a special baffle for improved performance, this makes a useful general purpose unit.

Overall size : Width 7 $\frac{5}{16}$ " ;
Depth 3 $\frac{7}{16}$ " ;
Height 6 $\frac{5}{16}$ " .

Cat. No. 899 Oyster hammer finish ... £2 17s. 6d.

THE EDDYSTONE "888A" RECEIVER

Designed essentially for the amateur bands and giving full bandwidth, this model is of the double superheterodyne type, possessing very high selectivity and excellent signal-to-noise characteristics. A number of special features are incorporated, e.g. crystal calibrator, audio filter, separate gain controls, and oscillator trimmer.

FREQUENCY RANGES.

1,800 to 2,000 kc/s. 3,500 to 4,000 kc/s. 7,000 to 7,300 kc/s.
14,000 to 14,350 kc/s. 21,000 to 21,500 kc/s. 28,000 to 30,000 kc/s.

CIRCUIT — Twelve valves as follows :—

R.F. Amplifier	6BA6	N.L. and "S" meter diodes	6AL5/D77
Mixer (to 1620 kc/s.)	ECH81/6AJ8	Output stage	6AQ5
Oscillator	6C4/L77	CW/SSB Converter	6BE6
Frequency-changer (to 85 kc/s.)	ECH81/6AJ8	Rectifier	5Z4G
I.F. Amplifier (85 kc/s.)	6BA6	Stabiliser	VR150/30 (OD3)
Demodulator AGC audio	6AT6/DH77	Crystal Calibrator Oscillator	6AU6

ELECTRICAL PERFORMANCE.—Better than 3 microvolts, 20db S/N ratio, for 50 mW output, 30% modulation. Absolute sensitivity on CW better than 0.5 microvolts.
SELECTIVITY.—Variable from 30db to 60db down, 5 kc/s. off resonance. Audio filter attenuates a signal 250 cycles off resonance by 30db. Image ratio better than 35db at 30 Mc/s.

AUDIO OUTPUT.—Exceeds 2.5 watts into 2.5 ohms. Jack for telephones.
POWER SUPPLY.—80 watts from normal AC mains. 110 and 200/250 volts. Socket for external (e.g. battery) power supplies.

OTHER FEATURES.—Variable stand-by sensitivity; aerial trimmer; oscillator trimmer; crystal calibrator; separate AGC switch; BFO pitch control; low impedance input; socket for "S" meter (supplied separately).

FINISH, ETC.—Oyster grey hammer. Plated handles. All steel parts rust-proofed. Weight 44 lbs.; Width 16 $\frac{3}{4}$ "; Depth 10"; Height 8 $\frac{3}{4}$ ".

LIST PRICE IN U.K. : £110 0s. 0d.

SIGNAL STRENGTH METER

Designed essentially for use with Eddystone communications receivers, models 640, 740, 750, 888 and 888A. Moving coil instrument is 2 $\frac{1}{4}$ " square with a full scale deflection of 200 microamperes. Scale is suitably calibrated. Leads terminate in an octal plug. Instructions provided.



Cat. No. 669/E Oyster hammer finish ... £7 0s. 0d.

ANTI-INTERFERENCE FILTER UNIT

Designed to greatly reduce, if not completely eliminate, mainsborne electrical interference and particularly efficient on short and medium wavelengths.

Interior components are screened by the metal box and the whole forms a compact, robust unit. Plug, socket and instructions provided. Maximum current capacity is 0.5 amps.



Cat. No. 732 £2 15s. 0d.

INFORMATION CONCERNING EDDYSTONE RECEIVERS

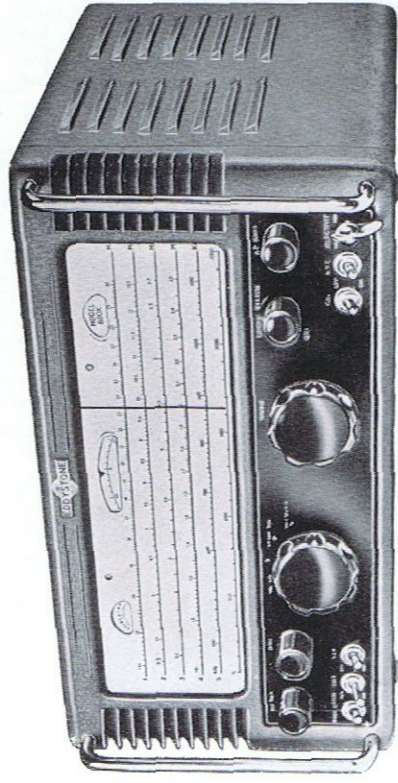
In this folder are given details of popular current models. The performance of each has, by careful design and development, been brought to the highest possible level and you will find nothing to equal these receivers at anywhere near their price levels. Until you have had the opportunity of actually seeing and testing an Eddystone receiver, you cannot fully appreciate its merits, in appearance, construction and ease of operation.

There are a number of features common to each model. The tuning knob drives a geared mechanism, which in itself is a fine piece of work. The flywheel loading gives smooth control and the high reduction ratio simplifies accurate tuning. An auxiliary scale, with a further reduction, provides adequate bandspread.

Modern types of valves, especially selected for optimum performance, are used throughout. The signal frequency and oscillator coils are fitted with variable powdered-iron cores and air trimmers, whilst the I.F. transformers and B.F.O. units also have dust-iron cores. Screening and decoupling are thorough and stability is of a high order.

The aerial input impedance is 70 ohms or 400 ohms but good results are secured with almost any type of aerial. Either a single wire unbalanced aerial or twin balanced feeders may be connected. Each receiver is guaranteed for twelve months and is provided with a comprehensive instruction manual.

COMMUNICATIONS MODELS.—Terminals are provided for a 2.5 ohm speaker, the Eddystone Cat. No. 688 series or the Cat. No. 899 being recommended. A jack on the panel takes high resistance telephones. The B.F.O. pitch control gives a variation of plus or minus three kilocycles. The noise limiter is effective against ignition and similar kinds of interference, whilst the standby switch mutes the receiver when desired and can also be used for the control of an external circuit.



THE EDDYSTONE "680X" RECEIVER

This model has many refinements, including crystal filter, variable selectivity, "S" meter, push-pull output and stabilized supply to the oscillator stages. The "680X" is essentially for the Professional user or for the Amateur who requires a communication receiver having a superb performance. Available for table or rack mounting.

FREQUENCY RANGES.

Band 1 ...	30 Mc/s. to 12.3 Mc/s.	Band 4 ...	2.5 Mc/s. to 1.11 Mc/s.
Band 2 ...	12.5 Mc/s. to 5.3 Mc/s.	Band 5 ...	1.110 kc/s. to 480 kc/s.
Band 3 ...	5.7 Mc/s. to 2.5 Mc/s.		

CIRCUIT.—Fifteen valves perform the following functions:

Two R.F. Amplifiers ...	V1 and V2	6BA6
Frequency-changer ...	V3	6BE6
Separate Oscillator ...	V4	6AM6/Z77
Two I.F. Amplifiers (450 kc/s.) ...	V5 and V6	6BA6
Detector and AGC ...	V7	6AL5/D77
Two Audio Amplifiers ...	V8 and V9	6BR7
Push-Pull Output ...	V10 and V11	6AM5/EL91
Beat Frequency Oscillator ...	V12	6BA6
Noise Limiter/"S" Meter ...	V13	6AL5/D77
Rectifier ...	V14	5Z4G
Voltage Stabiliser ...	V15	VR150/30

ELECTRICAL PERFORMANCE.—Sensitivity for 50 milliwatts, 15 db signal/noise ratio, 4 microvolts or better on all ranges.

SELECTIVITY.

Minimum ...	14 kc/s.	Second intermediate ...	4 kc/s.
First intermediate ...	7.5 kc/s.	Maximum ...	2.5 kc/s.

and greater with crystal switched in and phased.

AUTOMATIC GAIN CONTROL.—9 db change of output for 100 db change of input, above 1 microvolt at 9 Mc/s.

AUDIO OUTPUT.—Undistorted 2 watts; maximum 3 watts. The audio stages are linear within 3 db from 50 to 10,000 cycles. Pick-up terminals are fitted.

POWER INPUT.—80 VA. (1 ampere fuses are fitted).

FINISH.—Polychromatic Grey Wrinkle. Weight 47 lbs.

DIMENSIONS.—Width 16³/₄" ; Depth 13³/₄" ; Height 8³/₄".

LIST PRICE IN U.K. : £140 0s. 0d. — Table Model
£142 10s. 0d. — Rack Mounting Model



THE EDDYSTONE "840C" RECEIVER

The "840C" is an eight valve single conversion superheterodyne receiver with modern presentation and styling. It is designed on sound engineering principles to meet the demand for a communications receiver of high performance at a moderate price. An internal monitor speaker and tuning indicator are fitted.

FREQUENCY RANGE.

Range 1 ... 12.4 Mc/s. to 30 Mc/s.
 Range 2 ... 5.2 Mc/s. to 12.9 Mc/s.
 Range 3 ... 2.5 Mc/s. to 6.1 Mc/s.
 Range 4 ... 1.12 Mc/s. to 2.58 Mc/s.
 Range 5 ... 480 Kc/s. to 1150 Kc/s. (includes the International Distress Frequency).

VALVE LINE-UP.

R.F. Amplifier ...	...	...	V1
Frequency-changer ...	...	...	V2
I.F. Amplifier and A.G.C. ...	...	...	V3
Tuning Indicator ...	...	...	V4
Detector and Audio Amplifier ...	...	...	V5
Beat Frequency Oscillator ...	...	...	V6
Audio Output ...	...	...	V7
HT Rectifier ...	...	...	V8

ELECTRICAL PERFORMANCE.—Sensitivity for 50 milliwatts, 15 db signal/noise ratio, better than 10 microvolts on all ranges.

SELECTIVITY.—30 db down 10 kc/s. off resonance. Image ratio: better than 15 db at 30 Mc/s. and greater at lower frequencies.

AUTOMATIC GAIN CONTROL.—Less than 15 db change of output for 80 db change of input, above 10 uV.

AUDIO OUTPUT.—Undistorted 0.75 watts, maximum 1.2 watts.

POWER SUPPLY.—AC/DC 100/115 and 200/250 volts.

Consumption approximately 0.28 amperes.

FINISH.—Two-tone grey. Weight 28 lbs.; Width 16³/₈" ; Depth 11" ; Height 8³/₈" .

LIST PRICE IN U.K.: £58 0s. 0d.



THE EDDYSTONE "870A" RECEIVER

A compact, light-weight receiver, of the AC/DC type, equally suitable for use at home or in a ship's cabin. Although relatively inexpensive, the "870A" is capable of a good performance and, as with other Eddystone models, is designed for use in any climate.

FREQUENCY COVERAGE.

Band 1 ...	...	24 Mc/s. to 7.5 Mc/s.	(12.5 to 40 metres)
Band 2 ...	...	7.5 Mc/s. to 3.2 Mc/s.	(40 to 93.9 metres)
Band 3 ...	...	3.5 Mc/s. to 1.3 Mc/s.	(85.7 to 230.7 metres)
Band 4 ...	...	1400 kc/s. to 510 kc/s.	(214.3 to 588.2 metres)
Band 5 ...	...	380 kc/s. to 150 kc/s.	(789.4 to 2,000 metres)

CIRCUIT.—Five valve superheterodyne, using modern International type valves, readily obtainable anywhere. Highest grade components throughout.

POWER SUPPLY.—Operates equally well from AC or DC mains, 100/120 and 200/250 volts. Consumption 0.2 amperes.

SPECIAL FEATURES.—Gearing drive flywheel controlled system leads to precise tuning, aided by the wide, clear scales. Vernier logging scale is incorporated. There is a built-in mains filter, to reduce electrical interference, and the choke smoothing ensures low back-ground noise and absence of hum. Thoroughly insulated to allow metal cabinet to be directly earthed. Adequate volume and good tonal quality. Internal speaker is fitted. Pick-up terminals are provided.

PHYSICAL DETAILS.—The metal cabinet is finished in a pleasing two-tone style, with choice of colour schemes, offset with chromium handles. Width 11" ; depth 8³/₈" ; height 6³/₈" ; weight 11¹/₂ lbs.

LIST PRICE IN U.K.: £33 0s. 0d. (Including Purchase Tax)

10% Surcharge on P.T. 18/-d.