

Receiver Outfit	Component Units	Frequency range kc/s	Valves	Page No. of Notes on separate units.	Where fitted.
C	Separate instruments	55 - 1400 modified up to 16 kc/s	-	D2	Obsolescent.
CE	{ A4 M4 N9	1500 - 6000	4 NR14 3 NR14	BA3 H9 I2	Type 33.
CF	{ C M3B AS M5 N9 K5 Standby EE or M3B	55 - 2200 modified up to 16 kc/s	- 3 NR14 7 NR17 3 NR14 1 NR14 1 NR14 3 NR14	D2 H6 BA4 H11 I2 GE2 EA2 H6	Obsolescent. Superseded by CI.
CG	{ A4 M4 N9 EE Wavetester	1500 - 6000	- 4 NR14 3 NR14 1 NR14	BA3 H9 I2 EA2	Type 43 Ship's Auxiliary W/T Office.
CH	{ A5 M5 N9	450 - 2000	- 7 NR17 3 NR14	BA4 H11 I2	Type 45 Ship's Auxiliary W/T Office.
CH*	B12	150 - 1500	{ 1 NR22 8 NR15A	C14	Without racks.
CI	{ A5 M5 A11 M11 N9 K5 Standby M3B or EE	12 - 2000	- 7 NR17 - 4 NR17 3 NR14 1 NR14 3 NR14 1 NR14	BA4 H11 BA10 H14 I2 GE2 H6 EA2	Types 35, 36, 36S, 37, 37A, 37B, 38, 38S and 48X. Double bays in Ship's C.R.R. or Main Offices, Second Offices in Heavy Ships, Cruisers, Aircraft Carriers, Depot and Repair Ships. Main Office of Destroyers and Flotilla Leaders (No not allowed to destroyers) M3B allowed as Standby to all ships except Destroyers who are allowed EE in lieu.
CI*	{ A11 M11 N9 K5 B12	15 - 550 150 - 1500	- 4 NR17 3 NR14 1 NR14 1 NR22 8 NR15A	BA10 H14 I2 GE2 C14	Without racks.
CJ	{ A11 M11 N9 K5	45 - 550	- 4 NR17 3 NR14 1 NR14	BA10 H14 I2 GE2	Types 35, 35S, 36, 36S, 38, 38S and 48X. Single bays in Ship's C.R.R. or Main Offices. No only allowed when R/C is fitted to the bay or when the outfit is fitted in C.R.R. or Aircraft Carriers.
CK	{ A9 M9 N9 K5 EE	60 - 670	- 5 NR15A 3 NR14 1 NR14 1 NR14	BA8 H12 I2 GE2 EA2	Types 39X, 46Y, 46Z and 47. Receiver Outfit C and M1 supplied until 39, M9, are available.
CL	{ A5 M5 M9 N9 K5	270 - 2000	- 7 NR17 5 NR15A 3 NR14 1 NR14	EA4 H11 H12 I2 GE2	Type 44. Flotilla Leaders Second Office.
CM	{ A11 M11 N9 K5 B12	12 - 550 150 - 1500	- 4 NR17 3 NR14 1 NR14 1 NR22 8 NR15A	BA10 H14 I2 GE2 C14	Supersedes CI.
	{ A19 M19 N19 B12	15 - 550 150 - 1500	- 2 NR22 1 NR15A 1 NR16A 1 NR22 2 NR15A 1 NR22 8 NR15A	- - - - - - C14	

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CN	{ A11 M11 K9 K5	25 - 550	- 4 NR17 3 NR14 1 NR14	BA10 H4 I2 CE2	No not allowed to destroyers. Supersedes CJ.
	{ A19 M19 N19	15 - 550	- 2 NR22 1 NR15A 1 NR16A 1 NR22 2 NR15A		
CO	B12	150 - 1500	{ 1 NR22 6 NR15A	C14	Supersedes CH, CL.
CP	B11	1500 - 23000	{ 2 NR22 3 NR15A	C10	Supersedes CE and replaces CG in existing ships fitted with Type 43, if and when new receiving instruments are fitted without racks.
CQ	B11	1500 - 23000	{ 2 NR22 3 NR15A	C10	Replaces CG in ships fitted with racks.
CR	{ B11 G31	1500 - 23000	{ 2 NR22 3 NR15A 1 NR15A	{ C10 CC2	Supersedes QR in ships fitted with racks.
FF	{ Board for valve detector.	All Frequencies	1 NR14	EA2	Types 2, 4 (9 if not fitted with CG).
LB	LB	330 - 860	2 NR14	H2	Type 31. Obsolescent.
MD	{ MB or MBA	{ 100 - 1430 and less sensitive below	2 NR4C	-	Type 2*, 4 - 15 & 13 ship's second and sloops main office. Obsolescent.
	MD	{ 150 - 500 and less sensitive above and below	6 NR14 & 1 NR18	H4	
MH	M3B	30 - 1800	3 NR14	H6	Types 1, 1 - 16, 2, 2 - 16, 2 - 18, 2* - 34, 12, 13 - 34, 35, 36, 37, 38. Ships & Flotilla Leaders 2nd. Office.
NR	{ N9 or N2	-	3 NR14	I2	Types 1 - 16, 2 - 16, 2 - 18, 2* - 34, 9, 9 - 33, 12, 15 - 34, 31, 33, 35 and 36. General Service Note Magnifier.
	2 NR14		-		
OD	{ Q4 P2	18500 - 29000	1 NR16A 1 NR16A	{ K6 K6	Type 71.
OC	Q7	17500 - 30000	2 NR16A	K9	Type 46X, 46Y, 46Z, 47 and 71.
OK	{ B6 G31 K9	{ 3500 5000 - 20000	{ 1 NR22 1 NR15A 1 NR15A 3 NR14	{ C4 GC2 I2	Types 35S, 36S, 38S & 48X. G31 only to sea-going flagship.
OL	{ B7 B8 B9	{ 3000 - 10000 3000 - 25000 3000 - 25000	2 NR12A 3 NR15A 3 NR15A	{ - - C7	Types 37S, 39X, 46X, 46Y, 46Z, 47, 5C, and where specially approved.
RA	B3	70 - 1500	5 NR7	C2	Type 81.

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SA	{ Ind. No. 41 Ind. No. 1 <del>NR 14</del> M9 E2 M3B Radiogonio S23 or S25 Inductance 8000 mics for D/F. N2 or N9  K5	60 - 670	{ - - 5 NR15 1 NR14 3 NR14 - - - 2 NR14 3 NR14 1 NR14	{ Section L  I2 GE2	{ Set includes frame coils. Types 10 - 14. M3B only supplied if set is arranged for 2 simultaneous lines of reception. Obsolescent.
SBX	{ Special gonio A41 M9 K9 K5	60 - 670	{ - 5 NR15 3 NR14 1 NR14	{ BB2 H12 I2 GE2	{ Can be used for D/F.
SFX	{ M9 M13 S61 K5 K9 S12 A7 A8 A42 F24	15 - 670	{ 5 NR15 5 NR15 - 1 NR14 3 NR14 - - - 2 NR17	{ H12 H16 L GE2 I2 L BA5 BA6 BB4	{ To replace SA. Can be used for D/F.
SF	{ A42 M9 A7 K9 A8 M13 K5 F21	15 - 670	{ 2 NR17 5 NR15 - 3 NR14 - 5 NR15 1 NR14 -	{ BB4 H12 BA5 I2 BA6 H16 GE2 F2	{ Types 30X, 47, 46Y. Set includes frame coils and vertical loops. Can be used for D/F.
<u>D/F</u> <u>Outfit</u>					
SD	{ A41 M9 N2 or N9  E.R.B. K5	60 - 670	{ - 5 NR15 2 NR14 3 NR14 1 NR14	{ BB2 H12 I2  L GE2	{ Bellini - Tosi. Heavy ships and cruisers.
SJX	{ A43 A44 M9 M5 M9 K5 E26  F23	60 - 25000	{ 2 NR17 2 NR17 5 NR15 7 NR17 3 NR14 1 NR14 1 NR16 5 NR15 -	{ BB6 BB9 H12 H11 I2 GE2 FB4 F2	{ Heavy ships and cruisers. Hand rotated frame coil.
SHXN <sup>o</sup>	{ Panel Receiver M9 F51	60 - 500	{ 5 NR15	{ H12	{ Remote controlled frame coil.
SJX					{ Bellini - Tosi. To replace SD.
<u>Receiver</u> <u>Outfit</u>					
UA	N7	540 cycles/sec	6 NR14	X	Types 102, 104, 105A and 106.
UC	Model UC	1080		X	Type 706.
UD	-	40 - 5000		X	S/T Receiver & Hydrophones. Type 707.
VA	{ Frame coil Model VA. N12	500	3 NR12	-	Leader Cable receiving set.
VB	{ Frame coil Model VA. 2 - N12 Note Selector (Tuned Reed)	700 - 1400	3 NR12 each.	-	Obsolescent. Type 151.

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CMa	A19 } M19 } N19 } B12 }	15 - 550 150 - 1500	Replacing CI	BA12 H25 I6 C14	C.R.R. Main bay. Second offices with Type 37. Aircraft carriers 2nd office with Type 50.
CMB	A19 } M19 } N19 } B12 } * B13 }	15 - 550 150 - 1500 15 - 20000	Replacing CI * Stand-by receiver.	BA12 H25 I6 C14 C18	Flotilla Leaders. Sloops. Gunboats.
CMc	See CMB				Divisional Leaders. Destroyers.
CN	A19 } M19 } N19 }	15 - 550	Replacing CJ	BA12 H25 I6	C.R.R. 3rd & 4th bays.
CO	B12	150 - 1500	Replacing CL & CH.	C14	3rd Office. 2nd Office - Flotilla Leader.
CP	B11	1500 - 23000	Replacing CE	C10	Destroyers. Divisional Leaders. Flotilla Leaders. Submarines with Type 47. Cruisers on China Station C.R.R.
CQ	B11 or B11 B13 * } {	1500 - 23000 1500 - 23000 15 - 20000	Replacing CG	Cao C10 C13 C18	2nd Office. * 3rd Office (stand-by). 2nd Office with Type 49 or 50.
CR	B11 } G31 }	1500 - 23000	Replacing QK	C10 GC3	C.R.R. 2nd bay. Flotilla Leaders. Aircraft carriers 2nd Office fitted with Type 50.
CS	B13	15 - 20000		C18	Tugs etc. fitted with Type 51 or 51L.
SC	A8 } M13 } K5 } N9 }	15 - 60		BA7 H17 GE2 I2	Submarines and with D/F Outfits:- SB SEX SEY SF
SBX	A41 } M9 } S26 } S42 } S61 }	60 - 600	Cross frame coils submarine D/F outfit.	BB2 H12 LB2 LB3 LD2	Submarines.
SD	A41 } M9 } K5 } N9 } S25 } S41 }	60 - 670		BB3 H12 GE2 I2 LB2 LC2	Cruisers. Battleships. Aircraft carriers.
SEX	A7 } A41 } S42 } S61 } M9 }	60 - 600	R/C Rotating coil submarine D/F outfit.	BA5 BB2 LC3 LD2 H12	Submarines.
SEY	F25 } A46 } M9 }	60 - 600	R/C Rotating coil submarine E/F outfit.	BB11 H12	Submarines.
SF	F21 } A7 } A42 } M9 } S42 } S61 }	60 - 600	Mechanically driven rotating coil A7 will be removed with horizontal coil when rod aerial is fitted.	F2 BA5 BB4 H12 LC3 LD2	Submarines.

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SG	A46 } M9 } E27 } K7 } N20 }	60 - 20000	Mechanically driven rotating coil.	BB11 H12  GE5 I10	Battleships.
SGX	F23 } A43 } E26 } M9 } K5 } N9 }	60 - 20000	Mechanically driven rotating coil. E26 fitted with special coil 600 - 1500 kc/s.	F2 BB6 EB4 H12 GE2 I2	Battleships.
SHX N <sup>2</sup>	F51 } A46 } E27 } N20 } M9 } K7 }	60 - 20000	R/C Rotating coil	BB11  I10 H12 GE5	Cruiser. Battleships (proposed).
SJ	S26 } A47 } M9 } K7 } N20 }	60 - 600	Bellini-Tosi loops.	LB2  H12 GE5 I10	Cruisers.

## RECEIVING VALVES USED.

A7	Nil	A42	2 NR17	
A18	Nil	A43	2 NR17	
A19	Nil	A46	1 NR15 or 15A	2 NR16A
A41	Nil	A47	1 NR15 or 15A	2 NR16A
B11	2 NR22	3 NR15A	B13	3 NR15A
B12	1 NR22	8 NR15A		
E26X	4 NR15A	1 NR16A	E27	
E26				
G31	1 NR15A	G57		
G56				
K5	1 NR14	K7	1 NR15	
M9	5 NR15 or 15A			
M13	5 NR15 or 15A			
M19	{ 1 NR26, 1 NR27, 2 MS4 (A.C.)			
M30	{ 1 NR15 or 15A, 1 NR16 or NR16A, 2 NR22 or NR23 (D.C.)			
N9	3 NR14	N20	2 NR15 or 15A	
N19	{ 2 NR27, 1 VSM4 (A.C.)			
	{ 2 NR15 or 15A, 1 NR22 or NR23 (D.C.)			
S25	Nil	S42	1 NR15 or 15A	
S26	Nil	S61	Nil	
S41	1 NR15 or 15A			