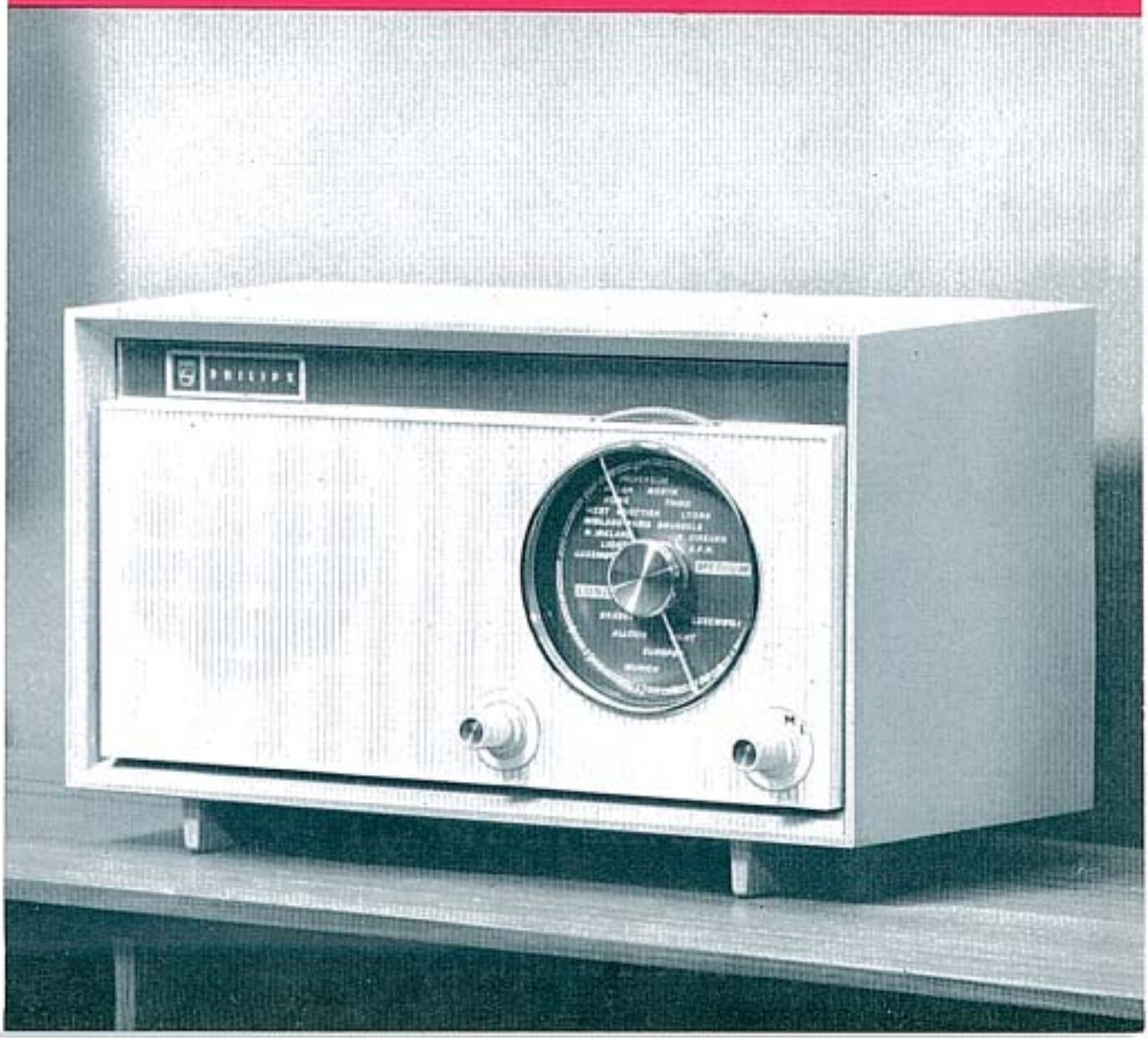
Room-to-room Radio

- Needs no aerial, no earth.
- Good long and medium wave reception.
- Easy to carry—weighs just 4½ lbs.
- Printed circuit.
- Handsome cabinet in light grey and ivory.

Model 225U



specification

Mains Voltage:	200-250 volts. A.C. 50-100 c/s or D.C. Consumption: 60 watts.
Wave Ranges:	Long wave 1175-2000 metres. Medium wave 185-580 metres.
Valves:	UCH81 Frequency changer. UBF89 I.F. Amplifier and detector. UCL82 A.F. Amplifier and output. UY85 Rectifier.
Controls:	On/Off and Volume Control. Tuning Control. Waveband Selector.
Loudspeaker:	5" Permanent magnet loudspeaker.
Aerial:	Built-in Ferroceptor.
Dimensions:	Width 12¼"; height 7½"; depth 6¾".
Weight:	4½ lbs.
Cabinet:	Light grey plastic with ivory front.

Model 225U

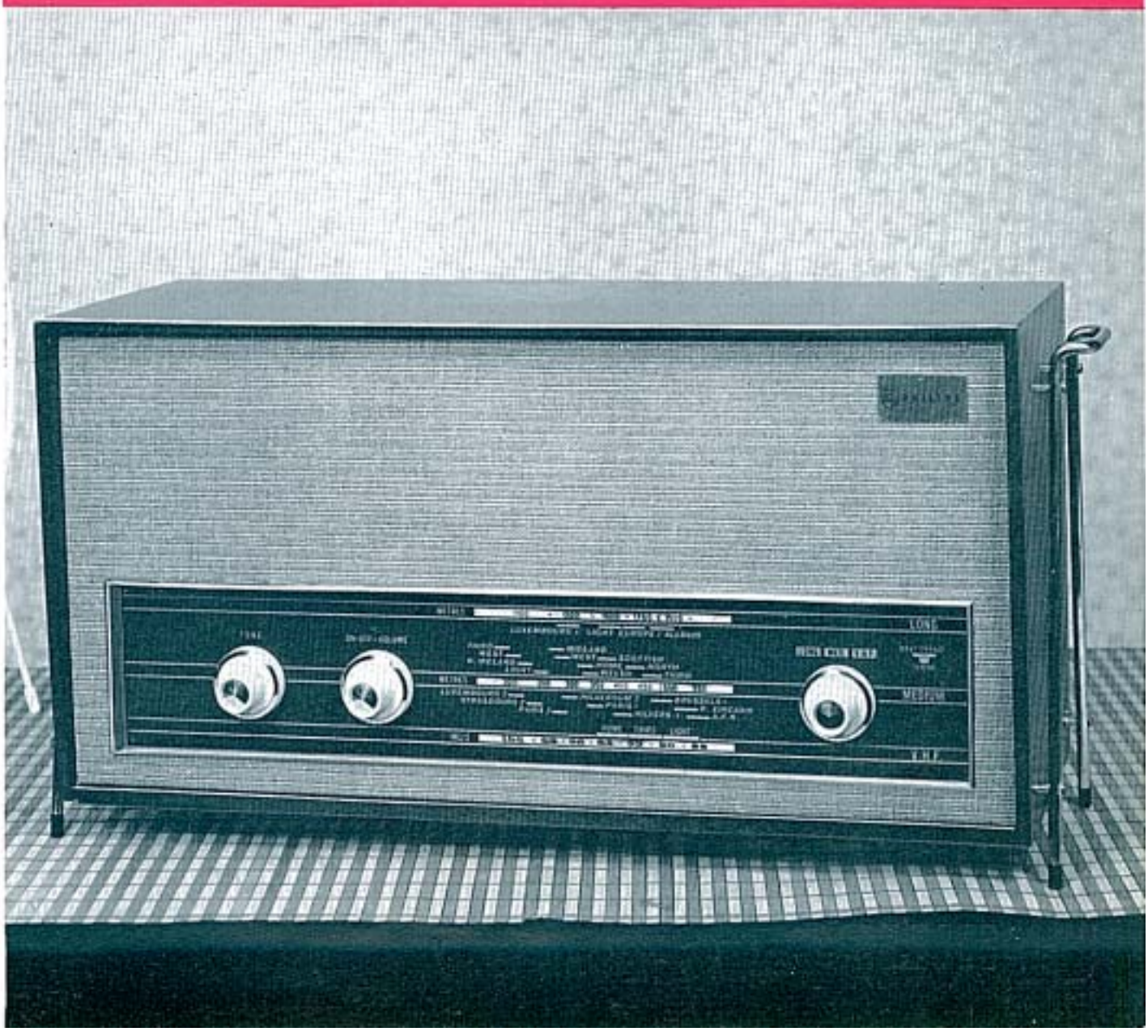
Room-to-room Mains Portable

PHILIPS – the friend of the family

VHF/FM Mains Radio

- Fine reception of long wave, medium wave and VHF/FM.
- Decorative handles ensure easy room-to-room portability.
- Sockets for extension speaker, external AM and FM aerials.
- Tape recorder/extension speaker.
- Attractive medium-brown sapele veneer with matt nitro-cellulose finish.

Model 417U



specification

Mains Voltage:	200-250 volts AC/DC
Power Consumption:	50 watts.
Wavechanges:	Long Wave 1090—2000 M. Medium Wave 187—560 M. VHF/FM 82.5—100 Mc/s.
Valves:	UCC85 Frequency Changer (FM). UCH81 1st I.F. Amplifier (FM). Frequency Changer (AM). UF89 2nd I.F. Amplifier (FM). I.F. Amplifier (AM). UABC80 Detector and AF Amplifier. UL84 Output. UY85 Rectifier.
Controls:	On/Off and Volume. Tone. Tuning. Wavechange.
Loudspeaker:	6" × 4" elliptical.
Aerials:	Hank aerial for FM; loop aerial for AM.
Intermediate Frequencies:	AM—470 Kc/s. FM—10.7 Mc/s.
Sockets:	External AM and FM aerials. Extension loudspeaker.
Cabinet:	Matt nitro-cellulose finish, medium brown sapele veneered wooden cabinet. Greenish brown scale with gold lettering. Matching control knobs. Gilt coloured decorative handles.
Dimensions:	Height 10½"; width 21¼"; depth 8½" (overall).

417U
Radio Receiver

PHILIPS – the friend of the family

AM/FM Radio Receiver

- Push-button selection of VHF, long, medium, and short waves.
- Superb reproduction from two 5" high efficiency loudspeakers.
- Four tone-colour buttons—two bass, two treble.
- Attractive horizontally-styled cabinet in walnut veneer.
- Sockets for pick-up, tape recorder, extension speaker and external aerials.
- Duplex tuning and magic eye tuning indicator.

Model 4X23

specification

Wave Ranges:	Long Wave 1150—2000 M (260—150 Kc/s). Medium Wave 185—580 M (1620—517 Kc/s). Short Wave 16.5—50.8 M (18.2—5.9 Mc/s). VHF/FM 87.5—104 Mc/s.
Valves:	ECC85 R.F. Amplifier, plus Frequency Changer, plus Oscillator FM. ECH81 Frequency Changer, plus Oscillator AM, plus I.F. Amplifier FM. EF85 I.F. Amplifier AM and FM. EABC80 Detector, plus A.F. Amplifier. EL84 Output. EZ80 Full Wave Rectifier. EM80 Tuning Indicator.
Loudspeakers:	5" high efficiency.
Output:	1.8 W.
Tone Controls:	Four push-buttons—two for bass and two for treble.
Built-in Aerials:	Fixed Ferroceptor for AM. Wire aerial for FM.
Intermediate Frequencies:	AM 470 Kc/s. FM 10.7 Mc/s.
Sockets:	Sockets for connecting a pick-up, a tape recorder (for record and playback), and an extension loudspeaker.
Tuning:	Separate control knobs for AM and FM.
Power Supply:	110, 127, 145, and 200-250 volt A.C. 50 c/s.
Power Consumption:	55 W.
Cabinet:	In a horizontally styled contemporary wooden cabinet finished in high gloss burnished polyester with polystyrene loudspeaker grilles.
Cabinet Dimensions:	Width 21¾"; depth 8⅜"; height 9⅛".
Weight:	17½ lbs.

Model 4X23

AM/FM Radio Receiver

PHILIPS—the friend of the family

De Luxe Mains Radio

- Outstanding sensitivity and selectivity on VHF, long, medium and short waves. Internal aerials.
- Two 8" dual-cone loudspeakers and two separate High-Z amplifiers give superb sound quality.
- Bi-ampli technique amplifies high and low frequencies separately.
- Separate continuously variable bass, treble and balance controls with three tone-colour push-buttons.
- Duplex flywheel tuning.
- Connections for a mono or stereo pick-up, mono or stereo tape recording or playback, and two extension full range loudspeakers.
- Attractive cabinet in natural teak veneer and grey leather-cloth with fawn loudspeaker grilles.

Model 6X12A

specification

Wave Ranges:	L.W. 1150-2000 M (260-150Kc/s) M.W. 185- 580 M (1620-517Kc/s) S.W. 16.5-50.8 M (18.2-5.9Mc/s) VHF/FM. 87.5- 100Mc/s
Valves:	ECC85: RF amplifier, plus frequency changer, plus oscillator FM; ECH81: Frequency changer, plus oscillator AM, plus I.F. amplifier FM; EF89: I.F. amplifier, AM and FM; EBF89: Detector AM, plus I.F. amplifier FM; EAA91: Detector FM; ECC83: A.F. amplifier; 2 × EL84: Output; EZ81: Full wave rectifier; EM80: Tuning indicator.
Loudspeakers:	Two high efficiency twin cone 8" 800 ohm loudspeakers.
Output:	Two channels at three watts each.
Controls:	Continuous treble and bass tone controls. Three tone colour push-buttons. Push-buttons for mono and stereo. Push-buttons for off and wavechange. Stereo balance control. Duplex flywheel tuning with one control knob.
Weight:	26¾ lbs. net.
Aerials:	Built-in Ferroceptor for AM. Wire aerial for FM.
Intermediate Frequencies:	AM 468 Kc/s. FM 10.7 Mc/s.
Sockets:	Sockets for connecting to a monophonic or stereophonic pick-up, a monophonic or stereophonic tape recorder, and two High-Z extension loudspeakers. (One for each channel.)
Power Supply:	110, 127, 145, 165, and 200-250 V. A.C. 50/cs.
Power Consumption:	95 W for AM. 100 W for FM.
Cabinet:	Horizontally styled contemporary cabinet. Wooden top covered with grey coloured leatherette. Fawn polystyrene loudspeaker grilles.
Cabinet Dimensions:	Width 23⅜": depth 11$\frac{7}{16}$": height 10½".

Model 6X12A

AM/FH High Fidelity Radio

PHILIPS–the friend of the family

De-Luxe

AM/FM HI-Fi Receiver with Reverbeo Unit

- High-quality band-pass filters in high-gain circuits give brilliant reception of LW, MW, SW and VHF/FM.
- Superb audio quality from two separate High-Z amplifiers for radio, and mono or stereo gramophone reproduction.
- Upper push-button assembly gives mono reverberation, stereo and three tone colours.
- Lower push-button assembly operates 'off', pick-up and wave-change controls.
- Reverbeo unit adds concert-hall spaciousness and depth to radio and mono record reproduction.
- Two high-efficiency 8" twin-cone loudspeakers are set in bisecting positions at cabinet corners.
- New technique of electro-luminescent backing insures even scale illumination.
- Connections for a mono or stereo pick-up, a mono or stereo tape recorder, and two extension full-range loudspeakers.
- Horizontally styled wooden cabinet is distinctively finished in high-gloss macoré veneer. Loudspeaker grilles in polystyrene.

Model 7X14A

specification

Wave Ranges:	LW 1150-2000 M (260-150Kc/s) MW 185- 580 M (1620-517Kc/s) SW 16.5-50.8 M (18.2-5.9Mc/s) VHF/FM 87.5-100Mc/s.
Valves:	ECC85: RF amplifier, plus frequency changer, plus oscillator FM; ECH81: Frequency changer, plus oscillator AM and IF amplifier FM; EF89: IF amplifier, AM and FM; EBF89: Detector AM and I.F. amplifier FM; EAA91: Detector FM; ECC83: AF Amplifier; 2 × EL84: Output (two channels); EZ81: Full wave rectifier; EM80: Tuning indicator.
Transistor:	OC71: Reverberation amplifier.
Loudspeakers:	Two high efficiency twin cone 8" loudspeakers (800 ohms).
Output:	Two channels at 3W each.
Controls:	Six push-buttons for off, pick-up, and wave-range selection. Five push-buttons for mono/reverberation, stereo, and three tone colours. Large control knobs for volume and duplex flywheel tuning. Edge-operated controls for stereo balance, reverberation. Treble and bass continuous tone controls. (The balance control has a visual indicator for adjusting output level between left and right channels on stereo, or the relation between direct and delayed signals on reverberation.)
Aerials:	Built-in Ferroceptor for AM. Wire aerial for FM.
Intermediate Frequencies:	AM 470 Kc/s FM 10.7 Mc/s.
Sockets:	Sockets for connecting to a monophonic or stereophonic pick-up, a monophonic or stereophonic tape recorder, two High-Z extension loudspeakers (one for each channel), and external AM and FM aerials.
Power Supply:	110, 127, 145, 165 and 200-250 V. A.C. 50 c/s.
Power Consumption:	AM 96 W. FM 100 W.
Cabinet:	Distinctive wooden cabinet finished in high gloss macoré veneer. Smartly decorated front and dial with coloured ornamental strip.
Cabinet Dimensions:	Width 28"; depth 11½"; height 10½".

Model 7X14A

Made in Holland

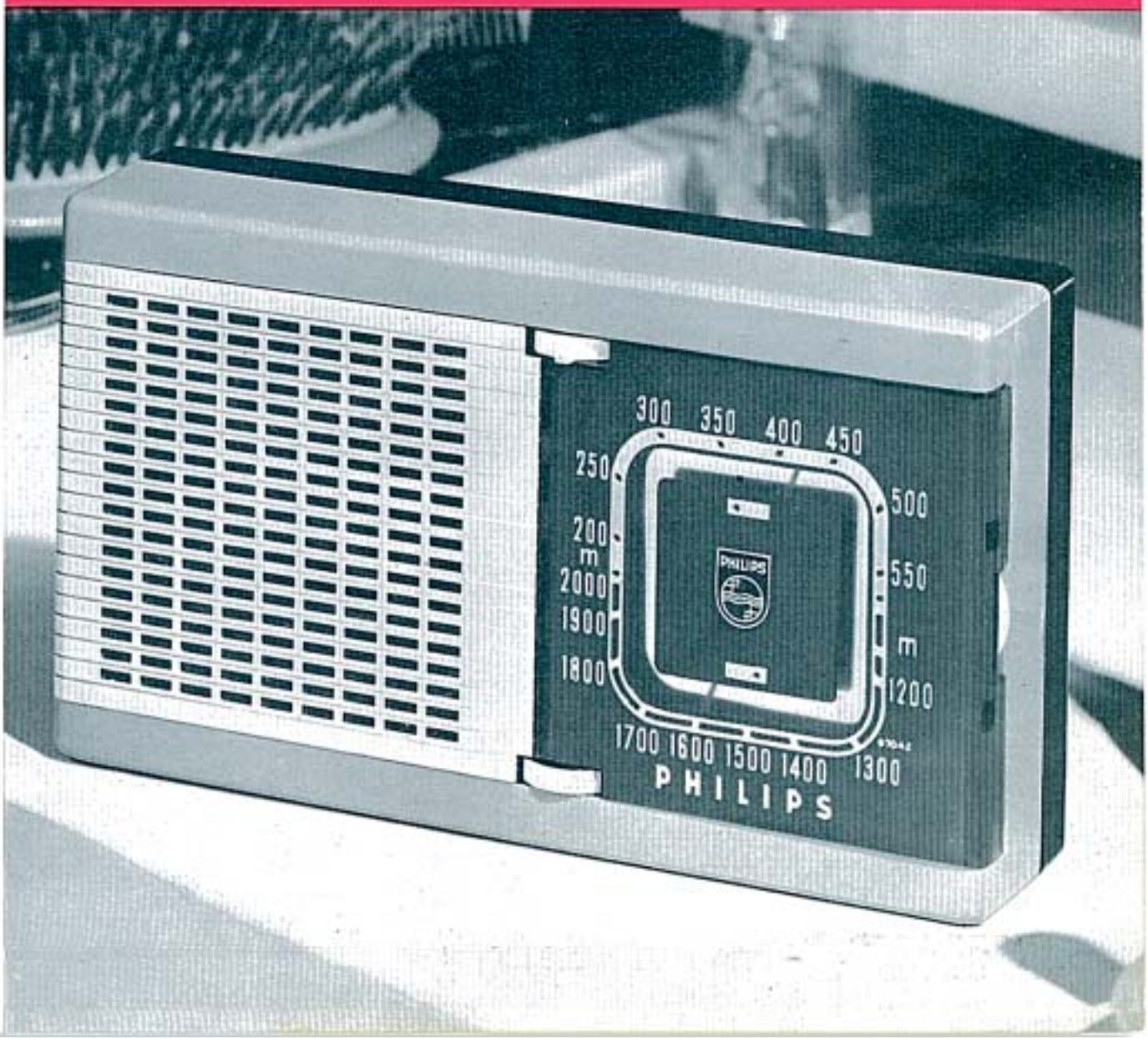
AM/FM Hi-Fi Radio with Reverberation Unit

PHILIPS—the friend of the family

Personal Portable

- Clear, powerful reception of long and medium waves.
- Edge-operated slow-motion tuning control.
- Extremely good battery economy.
- Earpiece attachment Model AF9110/10 and carrying case Model NP1614 available as optional extras.
- In orange and black, or green and black.
- Weighs only 15 ounces.
- High-efficiency loudspeaker

Model 091T



specification

Transistors:	OC44 Frequency Changer Two OC45 I.F. Amplifiers Two OC71 A.F. Amplifiers Two OC72 Matched Push-Pull Output Transistors An OA70 germanium diode is employed as a detector.
Wavebands:	Long Wave 1150-2000 metres Medium Wave 185-580 metres
Controls:	Edge-operated: Tuning, Volume/On-Off, Wave-change
Power Supply:	4.5 volts. Three 1.5 volt torch cells.
Battery Life:	About 50 hours with average use.
Aerial:	A built-in Ferroceptor is incorporated.
Loudspeaker:	2" high efficiency.
Case:	Made of impact-resistant cellulose propionate in two colour schemes. Green or orange front section with charcoal black rear section. Anodised aluminium loudspeaker grille. Anthracite black scale.
Dimensions:	Width 5⅞"; height 3½"; depth 1⅞".
Weight:	15 ozs., including batteries.
Optional Extra:	Leather carrying case—Model NP 1614 Earpiece—Model AF9110/10

Model 091T

Personal Portable

PHILIPS—the friend of the family

Camera-style Portable

- Excellent reception of long, medium and short wavebands.
- Edge-operated tuning and volume controls.
- Slider on/off switch. Lever wavechange.
- Telescopic short-wave aerial. Special 3″ speaker. Rectractable feet.
- Sockets for earphone and shortwave counterpoise aerial.
- Polystyrene cabinet in red or black with silver trim and speaker grille.
- Supplied complete with detachable carrying strap and counterpoise aerial.

Model 210T

specification

Wavebands:	Long Wave 1150—2000 M (260—150 Kc/s). Medium Wave 185—580 M (1620—517 Kc/s). Short Wave 19.4—51 M (15.5—5.9 Mc/s).	
Transistors and Germanium Diodes:	OC170	Oscillator/Mixer.
	2 × OC169	I.F. Amplifiers.
	OA85	Detector.
	OA85	Stabilizing Diode.
	OC71	A.F. Amplifier.
	OC71	Driver.
	2 × OC72	Matched Push-Pull Output Power Transistors.
Loudspeaker:	Specially developed 3" high efficiency.	
Output:	120 mW. A listening test gives the impression of a considerably higher electrical output, but this is due to the radically improved loudspeaker design. Limiting the output to 120mW results in longer battery life.	
Controls:	Slider type:	Battery On/Off switch and Tone Control switch.
	Edge-operated:	Tuning and Volume Controls.
	Toggle-type:	Wavechange switch.
Aerials:	Built-in ferroceptor for medium and long wave, telescopic aerial for short wave, plus short wave counterpoise aerial.	
Batteries:	6 volts. Four 1.5 volt torch cells type U12, D14, or equivalent.	
Case:	An attractive camera-style case manufactured in high-impact polystyrene in a choice of two colour schemes: charcoal and silver, or fiesta red and silver. Linear plastic scale. Flush fitting controls. Retractable feet. Detachable leather carrying strap.	
Dimensions:	Width $8\frac{1}{16}$"; depth $1\frac{3}{8}$"; height $4\frac{7}{16}$".	
Weight:	2 lbs. approx., including batteries.	

Model 210T

Made in Holland

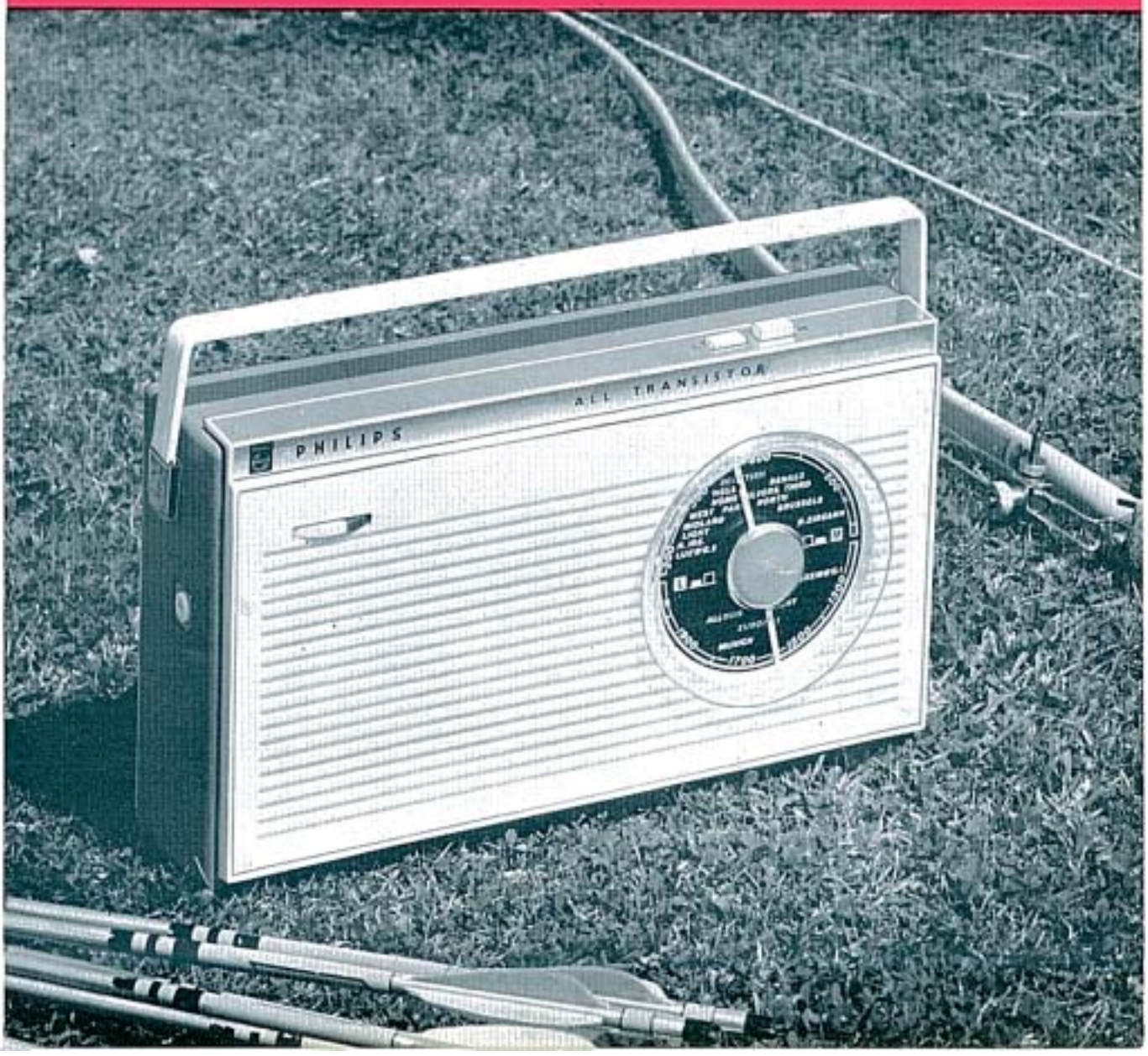
Camera-style Portable

PHILIPS—the friend of the family

All-Transistor Sports Portable

- Push-button selection of long and medium waves.
- Compact wooden cabinet attractively finished in either red or blue leathercloth.
- Large, easy-to-read slow-motion tuning scale. Sockets for car aerial and earphone.
- Approximately 150 hours listening from a single 9v. battery.

Model 241T



specification

Wavebands:	Long Wave 1215—2000 M (270—150 Kc/s). Medium Wave 187—555 M (1600—540 Kc/s).	
Transistors and Germanium Diode:	AF117	Mixer/Oscillator.
	AF117	I.F. Amplifier.
	OC71	Detector.
	OC81D	A.F. Amplifier and Driver.
	2 × OC81	Push-Pull Output.
	OA79	A.G.C. Rectifier.
I.F.:	470 Kc/s.	
Loudspeaker:	Sensitive 4" circular.	
Output:	500 mW.	
Controls:	Push-button—Wavechange. Edge-operated—Volume. Slow motion finger-tip operated circular dial—Tuning.	
Scale:	Midnight Blue.	
Aerial:	Built-in Ferroceptor.	
External Sockets:	Car aerial. Earphone socket. (Earphone type AF9110/11 optional extra.)	
Battery:	9 volt (Ever Ready PP7 or equivalent).	
Battery Life:	Approximately 150 hours.	
Cabinet:	Wood covered with red or blue leathercloth, with white ornamental front moulding.	
Dimensions:	Width 10½"; depth 2¾"; height 7½" (overall).	
Weight:	Approximately 3¼ lbs. (including battery).	

Model 241T
Sports Portable

PHILIPS—the friend of the family

All-Transistor Sports Portable

- Good reception of long and medium waves.
- Push-button wave change.
- Slow-motion tuning dial.
- Sockets for car aerial and earpiece attachment.
- Approximately 150 hours' listening from one 9-volt battery.
- Polystyrene cabinet in three colour schemes: poppy red, blue, or mustard yellow—all with front moulding in white.
- Earpiece attachment—Model AF9120/10 available as optional extra.

Model 221T

specification

Wavebands:	L.W. 1215-2000 M 270-150Kc/s M.W. 187- 555 M 1600-540Kc/s
Transistors and Germanium Diode:	AF117 Mixer/Oscillator AF117 I.F. Amplifier OC71 Detector OC81D A.F. Amplifier and Driver 2 x OC81 Push-Pull Output OA79 A.G.C. Rectifier
Loudspeaker:	Sensitive 4" circular.
Output:	500mW.
Controls:	Wavechange: Push-button. Volume: Edge-operated. Tuning: Slow-motion finger-tip operated circular dial.
Aerial:	Built-in Ferroceptor.
Battery:	9 Volt. (Ever Ready PP7 or equivalent.)
Battery Life:	Approximately 150 hours.
Cabinet:	Polystyrene finished in Poppy Red, Blue, or Mustard Yellow, with White ornamental front moulding.
Dimensions:	Width $9\frac{3}{8}$"; depth $2\frac{3}{8}$"; height $5\frac{3}{16}$".
Weight:	Approximately $3\frac{1}{2}$ lbs. (including batteries).
I.F.:	470Kc/s.
External Sockets:	Car Aerial. Earphone Socket. (Earphone type AF9110/11 optional extra.)

Model 221T

All Transistor Sports Radio

PHILIPS – the friend of the family

Luxury Dual-purpose Portable

- Push-button selection of long and medium waves.
- Nearly one watt output. 6" × 4" speaker. Large knob for easy tuning.
- Sockets for earphone, car aerial, and tape recorder.
- Wooden cabinet finished in either olive and grey-green or tan and beige saddle-stitched leathercloth. Moulded ivory grille.

Model 323/01T

specification

Wavebands:	Long Wave 1215—2000 M (270—150 Kc/s). Medium Wave 187—555 M (1600—540 Kc/s).
Transistors and Germanium Diodes:	AF117 Frequency Changer. AF117 I.F. Amplifiers. OC71 Detector. OC81D A.F. Amplifier and Driver. 2 × OC81 Push-Pull Output. OA70 AGC Rectifier.
Controls:	*Rotary:* Slow-motion Tuning, Volume. *Push-buttons:* Medium Waveband, Long Waveband, Off.
Batteries:	2 × 9 volt (Ever Ready PP7 or equivalent).
Battery Life:	Approximately 3 months with average use.
Output:	800 mW (nearly 1 watt).
I.F.:	470 Kc/s.
External Sockets:	Earphone. Tape recording. Car aerial.
Aerial:	Built-in Ferroceptor.
Cabinet:	Wooden cabinet, leathercloth covered. Two tone brown or two tone green schemes with white front moulding.
Dimensions:	Width 11"; depth $3\frac{3}{8}$"; height $7\frac{7}{8}$".
Weight:	$4\frac{1}{2}$ lbs.
Loudspeaker:	Sensitive 6" × 4" elliptical.

Model 323/01T
Dual-Purpose Portable

PHILIPS – the friend of the family

AM/FM Portable

- Excellent reception of VHF, long and medium wavebands. Telescopic VHF aerial.
- Edge-operated tuning and volume controls—separate on/off switch.
- Slider wavechange. 4" high-efficiency speaker.
- Sockets for car aerial and earphone.
- Moulded cabinet finished in either oxblood or green leathercloth—front moulding in ivory.

Model 322T

specification

Wavebands:	Long Wave 1050—2000 Metres (285—150 Kc/s). Medium Wave 185—589 Metres (1620—510 Kc/s). VHF/FM 87.5—104 Mc/s.	
Transistors and Germanium Diodes: *(9 transistors plus 6 germanium diodes)*	AF114	RF amplifier (FM).
	AF115	Mixer/Oscillator (FM).
	AF116	Mixer/Oscillator (AM), 1st I.F. Amplifier (FM).
	AF116	1st I.F. Amplifier (AM), 2nd I.F. Amplifier (FM).
	AF116	2nd I.F. Amplifier (AM), 3rd I.F. Amplifier (FM).
	OA79	Detector (AM).
	2 × OA79	Ratio Detector (FM).
	OA90 + OA79	AVC (FM).
	OA79	AVC (AM).
	OC75	AF Amplifier.
	OC75	AF Driver.
	2 × OC74	Matched Push-Pull Output.
Controls:	Tuning. Volume. On-Off. Slide switch for LW, MW, VHF/FM.	
Power Supply:	Four 1.5 volt Ever Ready type U2 or equivalent.	
Output:	500 mW.	
Aerials:	Built-in Ferroceptor for Long and Medium Wave. Quarter-wave telescopic aerial for VHF/FM.	
Loudspeaker:	4" high efficiency.	
Sockets:	Car aerial socket. Earphone socket.	
Presentation:	Impact-resistant moulded plastic case in choice of two colours: oxblood or green ivory coloured loudspeaker fret. Linear scale.	
Dimensions:	Height 10½"; width 6"; depth 2¾".	
Weight:	4 lbs. 4 ozs.	

Model 322T

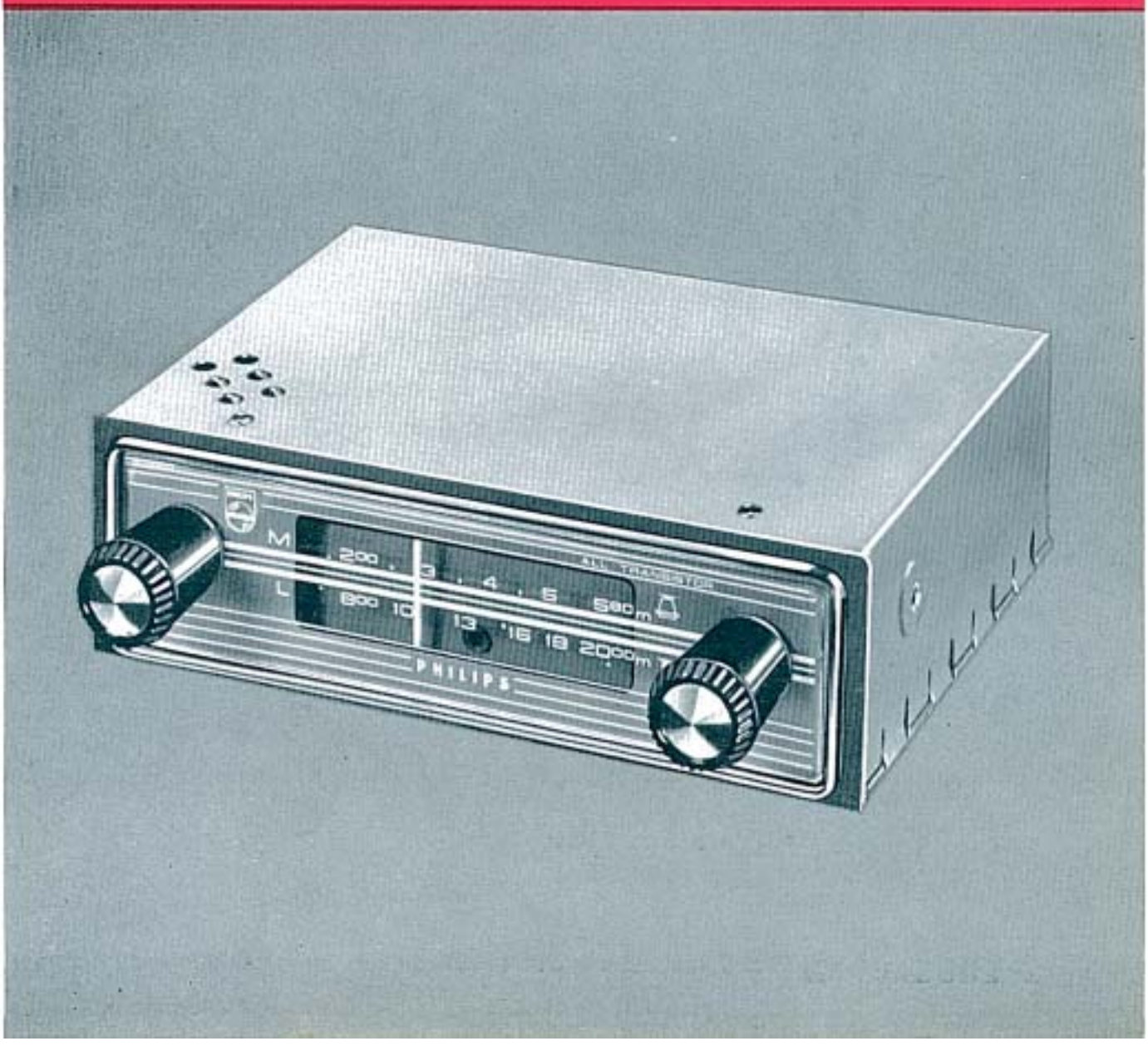
AM/FM All-Transistor Portable

PHILIPS—the friend of the family

All-Transistor Car Radio

- Gives superb reproduction of long and medium waves through powerful 6" × 4" loudspeaker.
- Has extended long wave coverage—brings in extra Continental programmes.
- Aerial trimmer is specially fitted in aerial lead—enables adjustments to be made after installation.
- Operates on either 6 v. or 12 v. battery. Easily fitted in any make of car.

Model 324T



specification

A manually tuned two waveband all-transistor car radio receiver, using six transistors and three crystal diodes.

Power Supply: 6 or 12 volt D.C. As supplied, receiver is suitable for 12-volt, positive-earth vehicles, but voltage and polarity may be changed by simple adjustable carousel plug.

Wave Ranges: Medium Wave 185—585 M.
Long Wave 750—2000 M.

Transistors and Diodes:

AF116	R.F. Amplifier.
OA79	Limiter (diode).
AF116	Mixer/Oscillator.
AF117	I.F. Amplifier.
OA70	Detector (diode).
OC71	A.F. Amplifier.
OA79	A.G.C. (diode).
OC81	Driver.
OC26	Output.

Dial Lamp: Philips type 12842 small festoon.

Controls: Volume and On/Off.
Tuning/Wavechange (push-pull switch).

Consumption: Approximately 1 amp.

Output: 2 watts.

Loudspeaker: High sensitivity 6" × 4" elliptical with flock-sprayed baffle.

Dimensions: Width $7\frac{1}{4}$"; depth $5\frac{3}{8}$"; height $2\frac{1}{8}$".

Model 324T

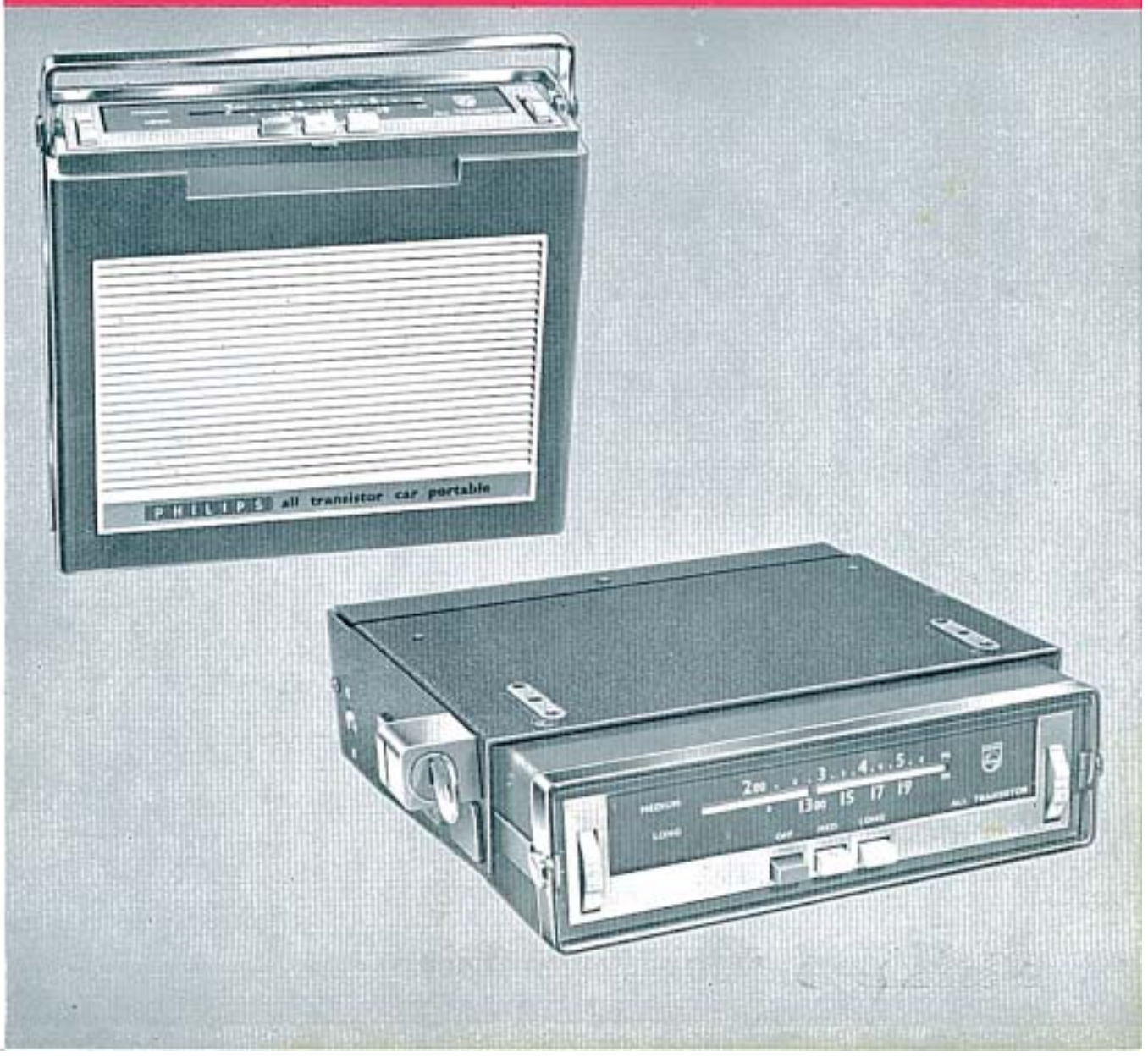
All-Transistor Car Radio

PHILIPS—the friend of the family

All-Transistor Car Portable

- Triple purpose—as a car radio, a portable radio and a table radio.
- Push-button operation of on/off switch, and waveband selection (long and medium).
- Runs off its own batteries when removed from car.
- Available in red and cream, or blue and cream; highlights picked out in silver trim.

Model 390T



specification

Transistors:	AF116	Mixer Oscillator
	AF117	1st I.F. Amp.
	AF117	2nd I.F. Amp.
	OA70	Detector (diode)
	OA70	A.G.C. (diode)
	OC82D	Driver
	2 × OC82	Output
Controls:	Push-buttons for Volume, Tuning, Wavechange, and Off.	
Wavebands:	Medium	187- 555 metres
	Long	1215-2000 metres
I.F.:	470 Kc/s.	
Power Supply:	Portable	9-volts (Ever Ready PP7 type battery, or equivalent)
	Car Radio	12-volts. Positive or Negative earth operation by reversal of soldered connections inside filter box. Consumption: Approx. 0.3 amp.
Power Output:	Portable	400 mW
	Car Radio	1.5 watts
Loudspeaker:	Portable	3" 3 ohms. High sensitivity.
	Car Radio	6" × 4" high sensitivity elliptical. 5 ohms impedance.
Pilot Lamp:	12-volt 1.5 watt. M.E.S. Lilliput. (Operates only on car radio.)	
Dimensions:	Width 7¾"; depth 7"; height 2¼". (Viewed as a car radio.)	
Weight:	3½ lbs. (including battery).	

Model 390T

All-Transistor Car Portable

PHILIPS–the friend of the family

All-Transistor De-Luxe Car Radio

- Push-button selection of five stations: one long, three medium, one short. (*Choice of stations can be easily varied.*)
- Equipped with manual tuning control, continuously variable tone control, and special switch that gives choice of sound for speech or music.
- Trimmer in aerial lead permits adjustment after installation.
- Operates on either 6v or 12v battery.

Model 514T

specification

A five push-button, three waveband all transistor car radio receiver, using ten transistors and three crystal diodes.

Power Supply: 6 or 12 volt D.C. As supplied, receiver is suitable for 12-volt, positive-earth vehicles, but voltage and polarity may be changed by simple adjustable carousel plug.

Wave Ranges: Medium Wave 186—585 M.
Long Wave 750—2000 M.
Short Wave 50 metre-band (48.7—50.4 M.)
(6.2— 5.95 Mc/s.).

Transistors and Diodes:

AF116	R.F. Amplifier.
AF116	Mixer.
AF116	Oscillator.
AF117	I.F. Amplifier.
OC71	A.G.C.
2 × OA79	Detectors (diodes).
2 × OC75	Limiters.
OC79	Driver.
2 × OC26	Output.
BA100	Protection diode.

Dial Lamp: Philips type 12843 small festoon.

Controls: Volume and On/Off—Variable Tone.
Tuning—Speech/Music switch.
3 Medium Waveband
1 Long Waveband
1 Short Waveband
} Push-button selection and wavechange.

Consumption: 650 m/A at 7 volts.
450 m/A at 14 volts.

Output: 6 watts.

Dimensions: Width 7"; depth 7⅛"; Height 2⅛".

Model 514T

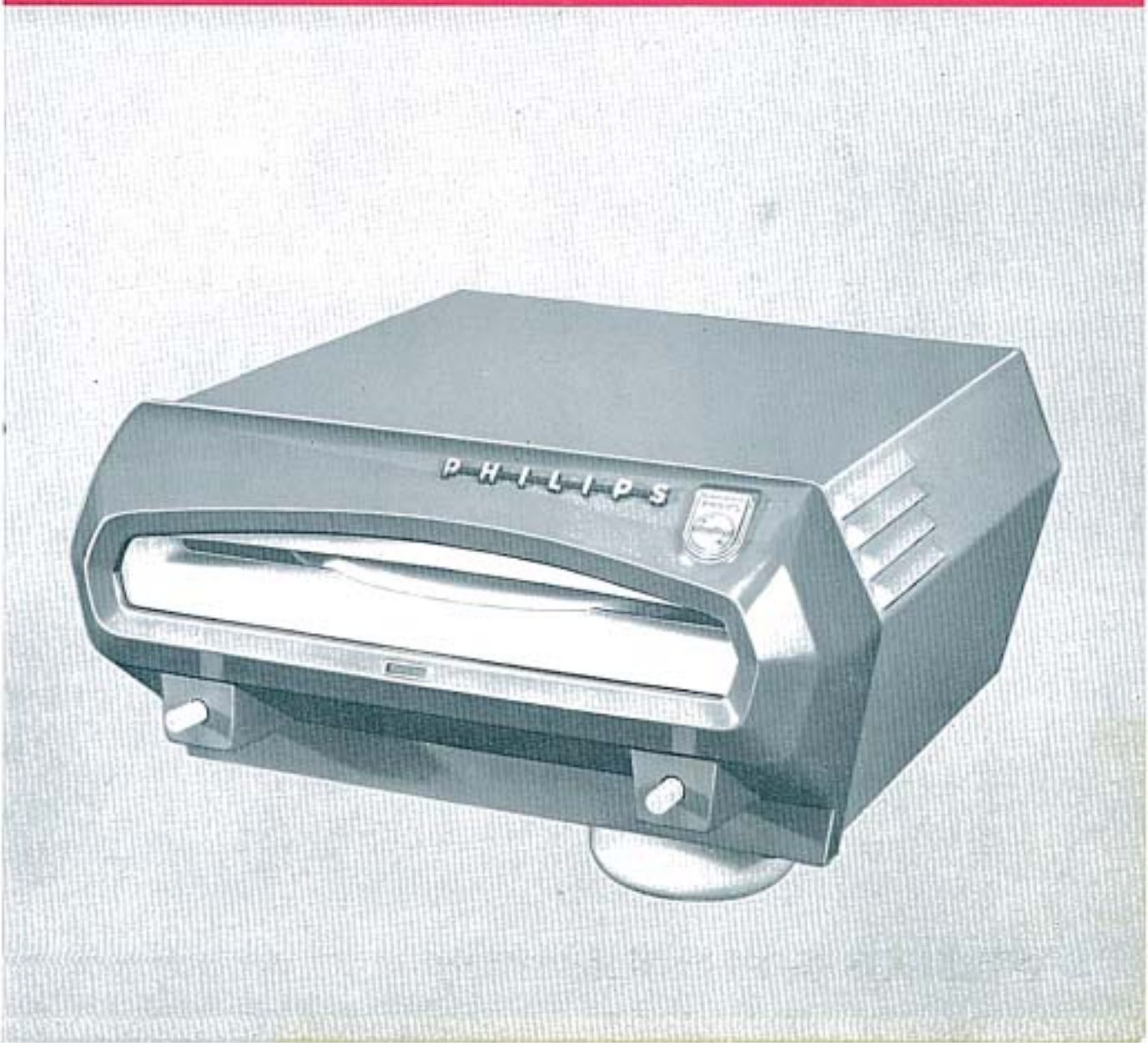
All-Transistor De-Luxe Car Radio

PHILIPS – the friend of the family

'Auto-Mignon' Car Record Player

- Excellent reproduction of all 7" 45 r.p.m. records.
- Plays through any car radio—6 v or 12 v.
- Unaffected by roads, braking, or cornering.
- Fitted with a self-cleaning sapphire stylus.
- Completely automatic operation. The record is simply placed in the slot—and click!—there's music.

Model AG2101



specification

An automatic record player for use in conjunction with most permanently fitted car radio receivers. Designed to play single 7" 45 r.p.m. records, with large centre holes, the record player will automatically eject the record at the end of playing time. Records may also be rejected during playing time.

Power Supply:	12 or 6 volt D.C. positive or negative earth polarity.
Controls:	Push-button change-over switch (Gram/Radio). Record reject button.
Turntable Speed:	45 r.p.m.
Consumption:	Approximately 450 m/A.
Pick-up:	Ceramic element with sapphire stylus.
Needle Pressure:	10-12 grams.
Output:	300 mV.
Dimensions:	Width 9"; depth 9¾"; height 4½" (+ 1½" for motor housing).
Weight:	8 lbs.

Model AG2101

Auto-Mignon Car Record Player

PHILIPS–the friend of the family

Loudspeakers

AF7321 5″ round

AF7337 6″ × 4″ elliptical

AF7336 7″ round

AF7324 9″ × 6″ elliptical

All are 5-ohm high-efficiency loudspeakers fitted with leads.

AF7215 Chromium Loudspeaker Bezel and Grille

AF7217 6″ × 4″ Chromium Loudspeaker Bezel and Grille

AF7216 7″ Chromium Loudspeaker Bezel and Grille

AF7218 9″ × 6″ Chromium Loudspeaker Bezel and Grille

Car Radio accessories

Aerials

WING MOUNTED

AF7414 Fully-Retractable

A high quality, four-section, fully-retractable telescopic aerial for wing mounting.

Height above wing, fully extended	55″
Height above wing, fully retracted	2½″
Depth of aerial below wing	14″
Length of Cable	60″
Diameter of hole to be drilled	13/32″

WING OR SCUTTLE MOUNTED

AF7420 Semi-Retractable

A high-grade, two-section, semi-retractable telescopic aerial for mounting on wing or scuttle.

Length, fully extended	46″
Length, fully retracted	25″
Length of Cable	60″
Diameter of hole to be drilled	⅜″

SIDE MOUNTED

AF7422

Three - section telescopic, side - mounting aerial for fixing to vertical or sloping body panels.

Length, fully extended	55″
Length, fully retracted	22″
Length of Cable	45″
Diameter of hole to be drilled	⅜″ and 7/32″

GUTTER MOUNTED

AF7427 Single Rod

A single-rod aerial, specially designed for mounting to the gutter.

Total length	36″
Length of Cable	76″

AF4729 Single Rod

As AF7427, but with grey plastic-covered fixing bracket.

ROOF MOUNTED

Philips roof-mounted aerials are so designed that fitting can be completed quickly and easily by one person.
When the aerial has been placed into position on the roof, the groove at the base of the insulator will locate with the edge of the hole and support the aerial whilst the cable and securing nuts are fitted from inside the vehicle.

AF7423 Single Rod

A spring - loaded single - rod aerial for mounting on roof.

Total length	34″
Length of Cable	80″
Diameter of hole to be drilled	⅜″

AF7424 2-Section Adjustable

A superbly-finished two-section telescopic aerial for roof mounting.

Length, extended	38″
Length, retracted	21½″
Length of Cable	80″
Diameter of hole to be drilled	⅜″

Specially designed front mounting plates ensure an individually styled finish to most makes of car

AUSTIN	A40 Mk. II	AF 8714
	A40, A50, A55 Series I Cambridge, A90, A95, A105 Westminster	AF 8708
	A55 Series II Cambridge, A99 Westminster	HY 073.52
		HY 1093.52
	A60 Cambridge, A110 Westminster, Healey Sprite, Princess	AF 8710
CITROEN	D.S.19	AF 8610
DAF	600, 750	AF 8607
FIAT	1300, 1500	AF 8608
FORD	Consul Classic '315', Capri	AF 8700
	Consul Cortina De-Luxe	AF 8717
	Consul, Zephyr, Zodiac Series II	AF 8713
	Consul, Zephyr, Zodiac Series IIA, Consul '375'	AF 8712
	Zephyr IV 1962	AF 8716
	Zephyr VI 1962	AF 8718
	Zodiac Mk. III	AF 8705
HILLMAN	Minx Series I and II	AF 8714
	Minx Series III	HY 073·50
	Minx Series IIIA, IIIB, IIIC and 1600	AF 8702
	Super Minx Series I and II	AF 8701
	Minx Mk. VI, VII and VIII (Beaded Rubber Strip)	HY 138.98
HUMBER	Hawk 1955/57	AF 7657
	Hawk 1958/62, Super Snipe 1959/62	AF 8714
JAGUAR	2.4 and 3.4 Mk II and 3.8	AF 8710
MERCEDES	220, 220S, 220SE, 1962/63, 190, 190D 1962/63	AF 7676/15
M.G.	Magnette Mk. III and IV, Midget, MGA and 1600	AF 8710
	1100	AF 8704
MORRIS	1100	AF 8704
RENAULT	R8 (not required for 324T)	AF 8720
RILEY	4/68 and 4/72	AF 8710
ROVER	60, 75, 80, 90, 100, 105S and 105R	AF 8711
SIMCA	1000	AF 8614
	Aronde P60, Chatelaine, Elysee, Etoile, Grand Large, Monaco and Montlhery	NF 2340
TRIUMPH	Herald, Vitesse 6	AF 8704
STANDARD	Vanguard III, IV and SIX, Sportsman and Vignale	AF 8706
SUNBEAM	Alpine	AF 8704
	Rapier 1956/62	AF 8714
SINGER	Gazelle 1956/62	AF 8714
	Vogue Series I and II	AF 8701
VAUXHALL	Velox, Cresta 1958/59	AF 8707
	Velox, Cresta 1960/61	AF 8709
	Velox, Cresta 1962	AF 8715
	Velox, Cresta 1963	AF 8703 (Grey)
		AF 8703/M (Black)
	Victor, Victor Super, Victor Series II, Victor De-Luxe	AF 7659
	Victor and VX 4,90 1962	AF 8703 (Grey)
		AF 8703/M (Black)
VOLKSWAGEN	1958/63	AF 7661
	1500	AF 8606
WOLSELEY	6/99 and 6/110	AF 8710
UNIVERSAL HOUSING		AF 8704
SMALL SCALE CAP ASSEMBLY (324T)		AF 8622/01
SMALL SCALE CAP ASSEMBLY (514T)		AF 8602
UNDER DASHBOARD MOUNTING PANEL (514T)		AF 7600
BALANCE CONTROL ASSEMBLY FOR TWO LOUDSPEAKERS		AF 8719

Cars not listed may be fitted with a Philips Car Radio using mounting kit supplied with receiver.

Special mounting equipment

PHILIPS – the friend of the family