



DECCA MODEL 121 PROJECTION TELEVISION RECEIVER

TECHNICAL SPECIFICATION ● ALTERNATIVE CABINET-FINISHES ● PRICES

Circuit:

- (1) Single sideband superheterodyne (all channels).
- (2) Double sideband superheterodyne for London reception only.

Radio Frequencies:	Vision	Sound
(a) London	45.0 Mc/s	41.5 Mc/s
(b) Sutton Coldfield..	61.75 Mc/s	58.25 Mc/s
(c) Holme Moss	51.75 Mc/s	48.25 Mc/s

Aerial Impedance: 80 ohms unbalanced.

Intermediate Frequencies:	Vision	Sound
(a) London		
(1) Single Sideband	14.0 Mc/s	10.5 Mc/s
(2) Double sideband	13.0 Mc/s	9.5 Mc/s
(b) Sutton Coldfield..	14.0 Mc/s	10.5 Mc/s
(c) Holme Moss	14.0 Mc/s	10.5 Mc/s

Valves:

R.F. stage	EF42	Mullard
Frequency Changer	EF42	"
1st I.F. stage	EF42	"
2nd I.F. stage	EF42	"
Video detector and D.C. restorer	EB91	"
Video amplifier	EF42	"
Sound I.F. stage	EF42	"
Sound detector and interference spotter	EB91	"
Cathode follower	6L18	Mazda
Sync. separator	EB91	Mullard
Sync. amplifier	6F14	Mazda
Sync. pulse limiter	6L18	"
Interference limiter and frame pulse separator	EB91	Mullard
Frame oscillator	T41	Mazda
Frame output	Pen45	"
Line oscillator	T41	"
Line output	EL38	Mullard
Tube protection valve	6SN7GT	Brimer
Tube protection and focus valve	6SN7GT	"
Audio amplifier	6L18	Mazda
Audio output	6V6GT	Brimar
H.T. rectifier	GZ32	Mullard
E.H.T. rectifiers	EY51	"
Blocking oscillator	EBC33	"
Pulse generator	EL38	"

Safety Device: Two valves are used to protect the cathode ray tube in the event of failure of the timebases. Part of one valve is also used to overcome defocussing on highlights caused by a reduction of E.H.T. voltage.

E.H.T. Supply: Pulsed R.F. and voltage tripler. 25KV.

Cathode Ray Tube and Optical System: 2½" projection tube and Schimdt F62 lens. Picture projected on to plastic screen. Size of picture 12" x 16".

Controls: Sound volume and on/off. Brilliance. Focus.

Sound Output: 2.5 watts.

Loudspeaker: 10" permanent magnet, moving coil. Impedance is 2.8 ohms.

Cabinet: Figured walnut, bow-fronted, with doors opening to disclose screen above loudspeaker grille.

Cabinet Dimensions: Height 37", width 25½", depth 19".

Mains Supply: 200-250 volts A.C. 40/60 cycles/second.

Mains Consumption: 220 watts.

Remote Control Unit: This special unit, comprising 'Contrast' and 'Focus' controls, incorporated in a neat, well finished case, may be added to the receiver to enable adjustments to be made from the viewer's chair



PRICES

- (a) { 121S for use in Southern England
- *121L for use in London area
- (b) 121M for use in Midland area
- (c) 121N for use in Northern area

Walnut cabinet (standard as illustrated)	£205 - 16 - 0
Bleached walnut	£216 - 3 - 10
Mahogany	£216 - 3 - 10
Bird's eye maple	£226 - 11 - 10
(inclusive of Purchase Tax)	
Remote control unit	£3 - 3 - 0
(Purchase Tax free)	

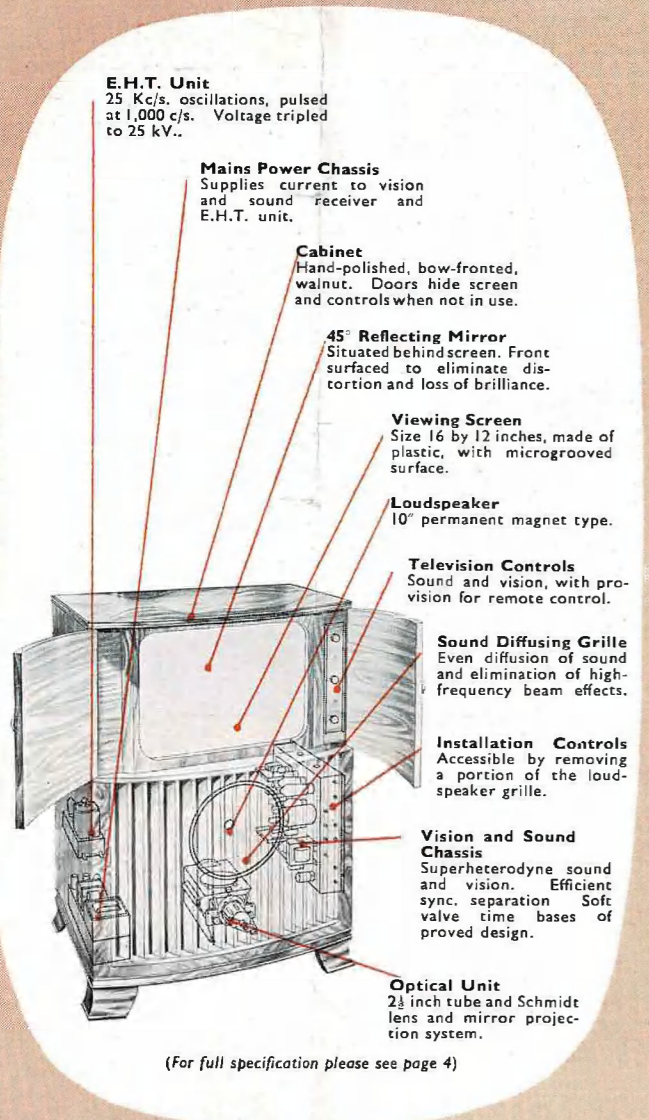
*Double sideband, high fidelity model

1951.

PROJECTION TELEVISION



by **DECCA**



Pro's and con's to help you in your choice of a television receiver

Which will you have, a small picture on a curved screen—the television of yesterday—or a large picture on a flat screen—the television of today *and* tomorrow?

The small picture and curved screen are inherent to direct viewing, in which the curved face of the cathode-ray tube acts as a viewing screen. Try it, and see whether you and the family *really* like it.

Now for the big 16 by 12-inch picture on a flat screen. This is Decca "projection" television. It works like this. A small picture of microscopic detail and high light intensity is composed on the face of a *miniature* cathode-ray tube. This picture is magnified by a special large aperture lens system, and by reflection, is projected on to the flat 16 by 12-inch viewing screen, the surface of which is microgrooved to prevent halation and maintain detail. Try *this* system,

and see which of the two the family likes best.

Now there's the question of cost, and whether you will buy for today or—today *and* tomorrow. Obviously you want a big, family-size picture on a flat screen, and a receiver that is technically up-to-date, and will be so for a long time to come. And the cabinet must, of course, be well-proportioned, solid, finely finished, and preferably fitted with doors to enclose the screen and controls when not in use. Now, a television receiver as good as this will cost you more than an ordinary one, so maybe you will wish to regard your purchase of a television receiver as a long term investment. In the case of the Decca Projection Model 121 you will be fully justified in doing so. Furthermore, there will be no heart-aches in the family because you didn't get the best first time.



Price in standard walnut cabinet £205. 16. 0. incl. P.T.
(For prices of alternative cabinet finishes, please see back page)

... a picture 16 inches wide by 12 inches deep that can be enjoyed in comfort by the whole family... a rich cinema-like picture, pin-sharp and full of detail, free from halation and with brilliant highlights... a picture optically projected on to a flat screen that can be viewed for long periods without eyestrain.

This is television as it *should* be... television at its very best... *as you can have it now*... a brilliant picture with studio quality sound, the result of skillfully combining and turning into practical fact the most up-to-date theories of the world's leading electronic, optical and sound research engineers.

In presentation the Model 121 is a true Decca instrument, designed, built, and finished, with great care—a beautiful piece of furniture to grace your home for many years.

MODEL 121

A brilliant 16 by 12 - inch picture with studio quality sound and

. . . . a gracefully proportioned bow-fronted cabinet with doors that hide the screen and controls when they are not in use. The standard cabinet is made of choice walnut with expertly matched grain patterns which, with a hand-polish finish, makes the Decca Television Receiver Model 121 a dignified, handsome piece of furniture. Alternative finishes include Bleached Walnut, Mahogany and Bird's Eye Maple.