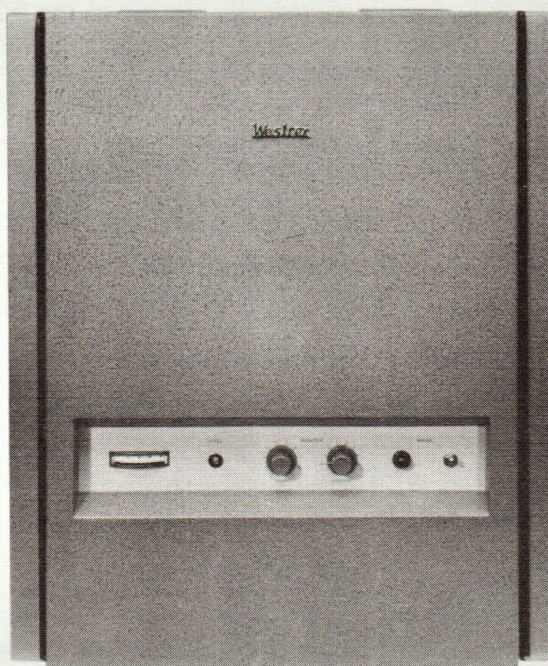
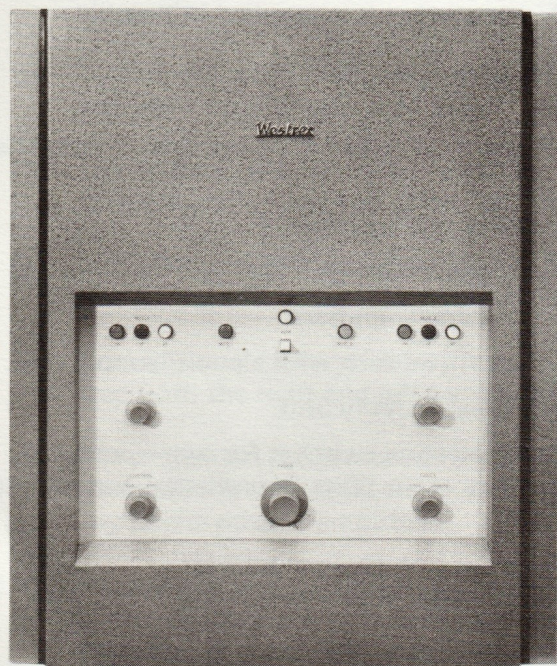




DATA SHEET

CINEMA DIVISION

5011A & B and 5012A & B MULTI-TRACK SOUND AMPLIFIER SYSTEMS



INTRODUCTION

The British-made 5011 A & B and the 5012A & B Single Track Photographic and Multi-Track Magnetic Sound Amplifier Systems form part of the Westrex 5000 series of system-engineered equipments, designed to meet the needs of all current and anticipated film formats for all types of cinema theatres.

The Westrex 5011A & B and the 5012A & B Single Track Photographic and Multi-Track Magnetic Sound Amplifier Systems cater for all current single and multi-track film recordings and feature compact plug-in modules to facilitate servicing and easy replacement. The "A" versions are floor-mounting in one cabinet, and "B" versions are wall-mounting in two cabinets. This offers maximum choice to exhibitors in locating the equipment in the operating box.

SYSTEMS

The 5011A System caters for 4-track CinemaScope magnetic and single-track photographic reproduction from 2 projectors, and is supplied in a floor-mounting cabinet rack.

The 5011B is electrically similar to the 5011A system except that it is supplied in 2 wall-mounting cabinets. One of these contains the plug in pre-amplifiers and control panel. The other contains the main amplifiers and output control unit.

The 5012A system caters for 6-track 70mm magnetic, 4-track CinemaScope magnetic and single-track photographic reproduction from 2 projectors. It is supplied in a floor-mounting cabinet rack.

The 5012B System is electrically similar to the 5012A, except that it is supplied in 2 wall-mounting cabinets as indicated for the 5011B System.

MAIN FEATURES

1. The 5011A & B 35mm Single Track Photographic and Four Track Magnetic Sound Amplifier and Control Systems incorporate the following

- (a) Two transistor photographic reproduction pre-and line amplifiers.
- (b) Eight transistor magnetic reproduction pre- and line amplifiers.
- (c) One regulated power supply unit for the pre- and line amplifiers.
- (d) Five interchangeable transistor 40-watt main amplifiers each with a power supply unit.
- (e) One transistor 40 watt monitor amplifier with power supply unit.
- (f) One input control panel with operational mode selection switches for two machines, machine changeover relay, master fader and auxiliary input (Disc Reproducer) and remote fader switch.
- (g) One output control panel with monitor volume control, channel selector switch, volume indicator meter and sensitivity control, on-off switch and mains indicator lamp.

2. The 5012A & B Single Track Photographic, 4-track CinemaScope and 6-track 70mm film Amplifier and Control System incorporate identical units to the 5011 System, but with the addition of:

Four transistor magnetic reproduction pre- and line amplifiers.

Two transistor 40 watt main amplifiers each with power supply unit.

SPECIAL POINTS

- (1) Full use is made of plug-in modules to facilitate servicing and easy replacement.
- (2) The wall mounting cabinets of the 5011B & 5012B Systems provide easy access via the removable front and side panels. The floor mounting rack for the 5011A & 5012A Systems provides access via a front or rear door.
- (3) The 8 solid-state 33223A amplifiers use silicon transistors throughout and are interchangeable.
- (4) Every consideration has been taken in design to ensure that, should one unit of the equipment fail for some unforeseen reason, the system will remain operative by means of inter-change of plug-in units and duplication of units that are not pluggable.
- (5) To this end, each machine is provided with one photographic and 4 or 6 magnetic pre-and line amplifiers, each of which has its own individual, level-balancing control.
- (6) The control panel provides switching, whereby each machine can be pre-set for photographic, 4-track magnetic or 6-track magnetic reproduction.
- (7) In addition, switching is provided to enable a 2567 Type monophonic or stereophonic disc replay unit to be fed into any of the 4 or 6 channel amplifier systems.
- (8) An additional factor of safety is provided by the use of separate 33223A amplifiers to feed both the right and left hand ambient loudspeakers.
- (9) For projection room monitoring a 33223A power amplifier is used, identical with those used for the auditorium loudspeakers, and thus becomes an emergency spare for any of the other 7 amplifiers.
- (10) Provision is made, with an output control panel, to switch the monitor loudspeaker to any channel and to connect a volume indicator meter across the output of each loudspeaker channel to enable each channel to be tested for balance and frequency characteristic.
- (11) All amplifiers have a 40-watt output and feed into the 5010A Back Stage Auditorium Loudspeakers.
- (12) To facilitate the most economical use of manpower, the volume from both projectors and the disc reproducer is controlled by the master fader, a switch on the same panel selects the source of sound, i.e. projectors or disc reproducer.
- (13) Should it be the exhibitor's intention to fit some form of automatic machine change-over, a switch is provided to divert control from the manually operated push buttons to the film changeover switching device.
- (14) The sturdy 5011A & B and 5012A & B cabinet assemblies are intended for use with 2 projectors, each incorporating independent photographic and magnetic reproduction pre-amplifiers.
- (15) A point of particular interest to both overseas and U.K. exhibitors will be that the equipment (like other units in the Westrex 5000 range) can be connected to operate from 220/240 volts or 110/120 volts single phase 50/60 HZ supply.
- (16) Installation is a simple matter when carried out under the supervision of a Westrex field engineer, who will also carry out film commissioning tests on both projectors and sound reproduction system in general.

DIMENSIONS AND WEIGHTS (Approx.)

"A" Units Floor Mounting

Width	22¼ ins.	(56.5 cms.)
Depth	15¼ ins.	(38.7 cms.)
Height	76 3/16 ins.	(193.5 cms.)
Weight	300 lbs.	(136.1 kgms.)

"B" Units Wall Mounting

(a) Pre-amp & control assembly 33246

Width	22¾ ins.	(57.8 cms.)
Depth	13 3/8 ins.	(29.6 cms.)
Height	28 ins.	(71.0 cms.)
Weight	160 lbs.	(72.6 kgms.)

(b) Power Amplifiers and output control assembly 33247

Width	22¾ ins.	(57.8 cms.)
Depth	13 3/8 ins.	(29.6 cms.)
Height	28 ins.	(71.0 cms.)
Weight	140 lbs.	(63.5 kgms.)

NOTE.

The Westrex 5000 series of cinema projection and sound equipments are British-made throughout. The Westrex Installation Planning Department is freely available to give advice on any aspect of film presentation.