



Sound Control Desk Type BD 536



5779

DESIGNED for mobile television work, the Type BD 536 desk may be set up on an outside broadcast site in a temporary control room adjacent to the pick-up point, or alternatively, in a mobile scanning van containing the vision equipment. It is built up in three detachable units: sound control console, power pedestal and spares pedestal. Such an arrangement makes erection and dismantling a quick and easy matter, whilst the general arrangement and styling ensures ease of operation. The equipment will receive inputs from eight low-level sources of which four are convertible for zero level inputs. Four isolated output channels are available.

FACILITIES

- Termination, balance and control of eight microphones or other programme sources.
- Supervision of programme level, including aural and visual monitoring and pre-listening across each source.

Termination of ten control or music lines and facilities for the requisite telephone and other communication means.

Spare switching and stand-by arrangements allowing for the instantaneous replacement of each important amplifier and other circuit elements.

GENERAL DESCRIPTION

The **Sound Control Console** accommodates, in its rolled metal housing, all links of the audio chain between the microphone termination and the programme amplifier output. Four pre-amplifiers (Type BD 517), two programme amplifiers (Type BD 517) and two programme meters and amplifiers (Type BD 520) are mounted in it, and one spare amplifier of each type is provided. The input transformer and U-link assembly and the output line termination jackfield cater for the correct termination and routing of incoming and outgoing lines. Selectors, spare and monitoring switches and all faders are functionally grouped on the three inclined control panels of this unit.

Its strong base mounts two carrying handles and a slide-in teak desk section.

The **Power Pedestal** houses, in a portable cabinet, the supply and high-level elements of the equipment. A door gives access to the two supply units and, on the deck above them, to two dual-channel trap valve amplifiers Type BD 522 and the tone source Type BD 552. Particular consideration has been given in the design of this unit to ensuring good ventilation. The termination of the apparatus within the pedestal and its connection with the console is effected via two socket panels at the rear, where suitable cleats are also provided for the bulk of the outgoing signal and modulation cables. A sturdy earth terminal is mounted near the plinth at the rear of the unit.

The **Spares Pedestal** is a narrower cabinet also fitted with carrying handles, and with compartments for essential maintenance spares for the control desk. A special channel houses the foot-bar when it is folded back for transport. Cleats are fitted to the rear of the unit for the purpose of leading-in the low-level cables.

DATA SUMMARY

Input impedance: 30 or 300 Ω , balanced or unbalanced.

Output impedance: 75 Ω for matching lines of impedances varying from 50 to 1000 Ω .

Input level: Between -95 and -50 dbm. (Four channels also at zero level.)

Normal output level: + 4 dbm at less than 0.5% distortion at 60 and 1000 c/s.

Maximum output level: + 18 dbm at less than 1.0% distortion at 60 and 1000 c/s.

Maximum gain: 95 db excluding trap valve amplifiers.

Frequency response: ± 2.5 db relative to 1 kc/s from 30 c/s to 15,000 c/s.

Power supply: 200-250 volts, 50-60 c/s, single-phase AC mains.

Power consumption: 250 VA.

Dimensions:				Approx.
Height	Width	Depth		Weight
Overall Assembly				
3 ft 7 in.	3 ft 6 in.	1 ft 8 in.		473 lb
(109 cm)	(106.7 cm)	(49 cm)		(215 kg)
Console				
1 ft	3 ft 6 in.	1 ft 8 in.		209 lb
(30.5 cm)	(106.7 cm)	(49 cm)		(95 kg)
Power Pedestal				
2 ft 1 in.	1 ft 7½ in.	1 ft 3 in.		150 lb
(63.5 cm)	(49.5 cm)	(38 cm)		(68.1 kg)
Spares Pedestal				
2 ft 1 in.	7 in.	1 ft 3 in.		60 lb
(63.5 cm)	(17.8 cm)	(38 cm)		(27.3 kg)

Note: The sub-units referred to are fully described on page 69.

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