



Studio Control Desk *Type BD 514*



THE TYPE BD 514 Studio Control Desk, which is completely self-contained, provides an extremely flexible high-quality control of programme material from five studio microphones, an announcer's microphone, and from any one of four outside broadcast lines or other high-level sources.

Two independent programme channels, identified by a system of red and blue lights, are provided, and these can be used for both transmission and rehearsal. The 'blue' channel is also available as an echo channel to the 'red' during both transmission and rehearsal.

The desk is robustly constructed of aluminium alloy with a desk top of polished teak. Although occupying the minimum of floor space, it provides ample accommodation for both a control engineer and producer, and all the controls are

positioned to give the greatest facility and comfort in operation.

FACILITIES

Faders: Six microphone input faders, an announcer-group fader for superimposing announcements, a high-level input fader, and two main output faders. Each fader is a bridged T network and is fitted with a special self-evident dial.

Indicator lights: Operation is simplified by a system of lights and illuminated panels which record all circuit conditions.

Talk-back and monitoring: Full facilities, with automatic loudspeaker muting during transmission, are incorporated.

Echo: An echo switch is provided in each studio microphone channel and in the selected OB channel for adjusting the proportion of echo to programme.

Microphone switching: Regrouping of studio microphones, signal light and muting relays, with their appropriate faders, is carried out from two small switch panels.

Amplifiers: The microphone pre-amplifiers and the programme amplifiers are identical high-quality plug-in units. A 20 W loudspeaker amplifier is also incorporated.

Servicing: Excellent accessibility to all circuits and components. Plug-in amplifiers and relay units facilitate quick replacement.

DATA SUMMARY

Input impedance:

30, 150, 300, 600, or 5000 Ω balanced or unbalanced.

10,000 Ω when bridging a 600 Ω line.

Output impedance: 150 or 600 Ω balanced or unbalanced.

Normal output level: +4 dbm at less than 0.5% distortion from 60 to 15,000 c/s.

Maximum output level: +18 dbm at less than 1% distortion from 60 to 15,000 c/s.

Gain (microphone to line): 102 db.

Frequency response: ± 3 db from 20 to 20,000 c/s.

Noise (at normal operating gain): 70 db below maximum signal.

Power supply: 100–130 or 200–250 V, single-phase, 40–60 c/s AC mains.

Dimensions:

	Width	Depth	Height
<i>Desk (overall)</i>			
60 in.	36.5 in.	39.5 in.	
(152.4 cm)	(92.7 cm)	(100.3 cm)	
<i>Desk surface above floor</i>			
—	—	28 in.	
—	—	(71.1 cm)	
<i>LH pedestal</i>			
18 in.	33 in.	25 in.	
(45.7 cm)	(83.8 cm)	(63.5 cm)	
<i>RH pedestal</i>			
18 in.	16 in.	25 in.	
(45.7 cm)	(40.6 cm)	(63.5 cm)	

Marconi

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