

SECTION 3

MIXER FADE DESK PANEL PA8/503

Introduction

This desk panel forms part of a studio production-control desk (see Studio Video Mixing Equipment, Instruction V.15). The panel carries:

- 8 quadrant faders
- 8 lamp-indicators
- Mix-take-over* pushbutton

The inputs to, and outputs from, this panel are d.c.; variable outputs from the faders are applied to Cut-fade Amplifiers AM1/508 (Instruction V.7) and other outputs operate relays in an associated control panel (for example, PA6/509).

Description

The circuit of the PA8/503 is given in Fig. 3.1.

The faders, in conjunction with the cut-fade amplifiers, are used to control the amplitudes of video signals which it is required to mix or to fade; see Video Mixer MX1/503 (Instruction V.9). Each fader incorporates red and white indicator lamps and two microswitches. The red lamps glow when

the fader is in use for transmission purposes and the white lamps glow when the fader is in use for preview purposes. Both sets of lamps are extinguished when the associated mixer (MX1/503) is in the *On* (cut) or *Off* modes. The microswitches, mounted one at each end of the quadrant (positions 0 and 30), are used to provide information about the setting of the fader; the switches operate relays in the (PA6/509) control panel.

The lamp panels, mounted above each fader, show a green light when the input signal to the associated channel is synchronous (can mix) and an amber light when the input signal is non-synchronous (cannot mix).

The mix-take-over button, which operates relays in the control panel, is used when it is required to mix or to fade following a cut operation; it enables the cut-fade amplifiers to be switched to the *Fade* mode without moving a fader to the 0 (fully faded up) position.

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See overleaf for Fig. 3.1

Instruction V.13
Part 8, Section 3

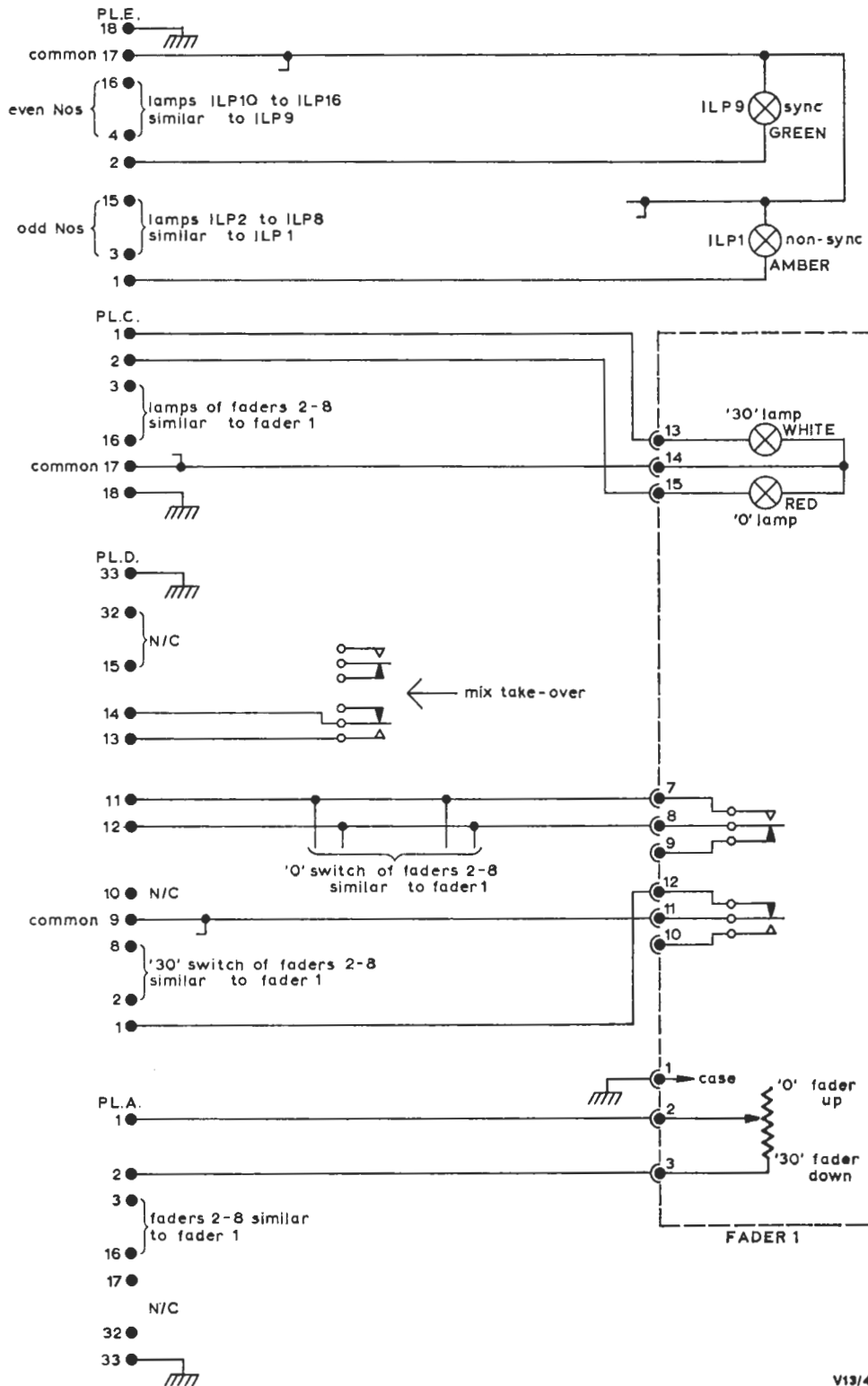


Fig. 3.1 Circuit of the PA8/503