



Timecode Distribution Amplifier

**Standard Rackmount Unit
&
Dual Supply Rackmount Unit**

User Handbook

Timecode Distribution Amplifier



Standard Rackmount Unit



Timecode Distribution Amplifier



Standard Rackmount Unit

The Alice timecode distribution amplifier is a 19” rack mounted unit provides longitudinal timecode via a mixture of connection combinations up to twelve outputs in two groups of six.

Each group of outputs are adjustable via a front panel multi-turn potentiometer.

The front panel has a green LED which illuminates when timecode is present. A large illuminated LCD display shows timecode in real-time. The display can also be programmed to show your company name or other message on boot-up. These options can be requested at the time of ordering.

Uses include, on-location shooting with PSC cameras and portable audio mixers that require a jammed LTC timecode signal, outside broadcast trucks or fixed installations that require timecode to be sent to vision mixers, EVS, audio mixing desks and studio clocks etc.

Timecode Distribution Amplifier



Standard Rackmount Unit

Available versions from stock:

SKU: 205028 - Type A: XLR input and 6 XLR and 6 BNC outputs

SKU: 205303 - Type B: XLR input and 12 XLR outputs

SKU: 205304 - Type C: BNC input and 12 BNC outputs

SKU: 205319 - Type D: BNC input and 12 XLR outputs

SKU: 205372 - Type E: BNC input and 6 XLR and 6 BNC outputs

SKU: 205389 - Type F: XLR input and 12 BNC outputs

Timecode Distribution Amplifier



Standard Rackmount Unit

Technical Specification

Input impedance: internally selectable 20k ohms or 600 ohms balanced

Input: common-mode rejection: 60dB typical

Frequency response: 20Hz to 20kHz ± 0.2 dB

Noise: -100dB (RMS 30Hz to 15kHz) at unity gain - Ref + 8dBu output

Distortion: (THD) + 8dBu output: 40Hz 0.006% - 1kHz 0.006%
10kHz 0.02%

Output impedance: <1 ohm balanced and floating

Minimum load: 600 ohms

Gain range: adjustable up to 20dB gain and 10dB loss

Max. input level: +28dBu

Max. output level: +26dBu into 5k ohms +24dBu into 600 ohms
odBu = 0.775 volts RMS

Compatible with SMTPE 12M-1 & SMTPE 12M-2 signals

Recognisable timecode illuminates timecode present - green LED

Removal of timecode shows 'no timecode' on display

Mains supply: 85v to 285v AC operation

Power consumption: 20VA

Case details: 1U 19" rack mounting, overall depth 165mm

Shipping weight: 2Kg

Timecode Distribution Amplifier



Dual Supply Rackmount Unit



Timecode Distribution Amplifier



Dual Supply Rackmount Unit

The dual power supply unit has two mains supply inputs with a monitoring output via a DB9M connector covering mains and timecode events.

The Alice timecode distribution amplifier is a 19” rack mounted unit provides longitudinal timecode via a mixture of connection combinations up to twelve outputs in two groups of six. Each group of outputs are adjustable via a front panel multi-turn potentiometer.

The front panel has a two bi-coloured LEDs showing green when both main’s supplies are present which turn red when one of the supplies fails. There is also a green LED which illuminates when timecode is present. A large illuminated LCD display shows timecode in real-time. The display can also be programmed to show your company name or other message on boot-up. These options can be requested at the time of ordering.

In addition, if a mains supply fails or the incoming timecode signal is lost, volt free contacts change-over between the normal and failed state.

Uses include, on-location shooting with PSC cameras and portable audio mixers that require a jammed LTC timecode signal, outside broadcast trucks or fixed installations that require timecode to be sent to vision mixers, EVS, audio mixing desks and studio clocks etc.

Timecode Distribution Amplifier



Dual Supply Rackmount Unit

Available versions from stock:

SKU: 205520 - Type A-DP: XLR input and 6 XLR and 6 BNC outputs

SKU: 205521 - Type B-DP: XLR input and 12 XLR outputs

SKU: 205522 - Type C-DP: BNC input and 12 BNC outputs

SKU: 205523 - Type D-DP: BNC input and 12 XLR outputs

SKU: 205524 - Type E-DP: BNC input and 6 XLR and 6 BNC outputs

SKU: 205525 - Type F-DP: XLR input and 12 BNC outputs

Timecode Distribution Amplifier



Dual Supply Rackmount Unit

Technical Specification

Input impedance: internally selectable 20k ohms or 600 ohms balanced

Input: common-mode rejection: 60dB typical

Frequency response: 20Hz to 20kHz ± 0.2 dB

Noise: -100dB (RMS 30Hz to 15kHz) at unity gain - Ref + 8dBu output

Distortion: (THD) + 8dBu output: 40Hz 0.006% - 1kHz 0.006%
10kHz 0.02%

Output impedance: <1 ohm balanced and floating

Minimum load: 600 ohms

Gain range: adjustable up to 20dB gain and 10dB loss

Max. input level: +28dBu

Max. output level: +26dBu into 5k ohms +24dBu into 600 ohms
odBu = 0.775 volts RMS

Compatible with SMTPE 12M-1 & SMTPE 12M-2 signals

Recognisable timecode illuminates timecode present - green LED

Removal of timecode shows 'no timecode' on display

- * Failure of incoming mains supply changes LEDs from green to red
- * Failure of incoming timecode signal will signal an alarm via the volt free alarm contact outputs refer on the DB9 connector

Timecode Distribution Amplifier

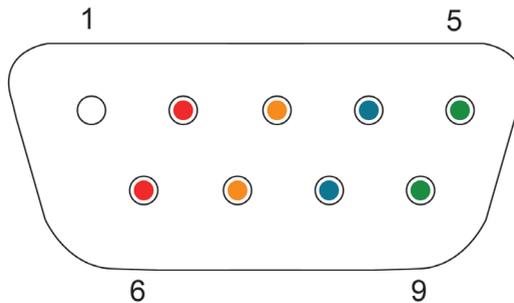
Dual Supply Rackmount Unit

Mains supply: 2 x 85v TO 285v AC operation

Power consumption: 20VA

Case details: 1U 19" rack mounting, overall depth 165mm

Shipping weight: 2Kg



Key

Power Supply Alarm

- 6 common
- 1 Normally Closed
- 2 Normally Open
- Volt free relay

Timecode Alarm

- 3 common
- 7 Normally Closed
- 8 Normally Open
- Volt free relay



WARRANTY

In the unlikely case of a breakdown, please return the unit in its original packing through the supplier. The unit will be attended to immediately and returned to your supplier. If any breakdown occurs (excluding physical mistreatment) within 12 months of purchase no charge will be made.

DECLARATION OF CONFORMITY

This analogue audio processing equipment conforms to the standards and requirements of the European Economic Community.

The EC Harmonised standards that have been applied are;

- a) Electrical equipment (safety)
Regulations 1994 (S.I. 1994/3260)
- b) Electromagnetic Compatibility Directive
(89/336/EEC) incorporating (S.I. 1992/2372)

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