

MIRRA SERIES 2

■ RECORDING INPUTS

Inputs: 4 to 32 channels.

Bandwidth: +/- 3 dB over the range 300 - 3400 Hz.

Sensitivity: -35 to +6 dBV or -20 to +15 dBV selectable per channel.

Input impedance no warning tone: >50 kohm over the range 300 to 3400 Hz.

Input impedance with warning tone: >10 kohm over the range 300 to 3400 Hz.

Isolation: > 1.5 kV rms 50 Hz Common Mode
250 V rms 50 - 60 Hz Differential.

Warn tone level: - 40 dBm to -21 dBm into 300 Ohms.

Warn tone frequency: 1.4kHz +/- 1.5%
UK, Australian and FCC compliant.

Activity threshold: -66 to -25 dBm
(configurable per channel).

Hook voltage: 0 to 70 V (configurable per channel).

AGC (ARLC):

Attack time: 20 milliseconds.

Release time: 1 second.

Maximum gain: 30 dB.

Signal to noise ratio: Better than 50 dB.

Crosstalk: Less than 50 dB.

Distortion: Less than 3% for a 1 kHz sine wave at 0 dBm.

■ VOX

On time: Activity is detected within 20ms and recording starts immediately. The effective VOX On Time is 0 seconds because the inputs are buffered.

Hold time: 0 to 24 seconds programmable per channel.

■ STORAGE

Archive: Single or Dual DVD RAM optical disks.

Archive capacity: Greater than 2400 ch hrs per 5.2 GByte double sided disk (1200 ch hrs per side).

Media life: >1000 over-recordings per disk.

Instant access: Up to 2400 channel hours (Dual drive sequential mode).

Buffer (no media): 320 ch minutes.

Compression: 8-kbit/sec (G729 annex a).

■ OUTPUTS

Line outputs (four off): 1 V rms @ 800 Hz, Output Impedance 600 ohm.

Dubbing outputs: 1 V rms @ 800 Hz, Output Impedance 600 ohm.
Relay contacts close when required to record.

Alarm contacts: Relay contacts with normally open and normally closed connections. Contacts rated at 500 mA, 12 V Dc.

■ REPLAY ACCESS AND CONTROL

All replay access is via stand-alone or network PC.

PC specification (minimum):

P133 Processor

2 speed CDROM

16 MB RAM

Sound Card and speakers (LAN replay)

SVGA monitor

10 MB free hard disk space

Windows 95, 98, NT4 (requires 32 MB RAM minimum)

Network card - Ethernet TCP/IP, 10base T (LAN control and replay)

1 free RS232 port

PC specification (ideal):

P233 (or better)

2 speed CDROM or better

32 MB RAM or greater

Sound Card and speakers (LAN replay)

SVGA monitor

10 MB free hard disk space

Windows 95, 98, NT4

Network card - Ethernet TCP/IP, 10base T (LAN control and replay)

1 free RS232 port

Replay facilities:

Message replay over LAN.

Message copy to local PC (std .wav format).

Flexispeech – Constant pitch (0.5 – to X2).

Auto shuttle between user definable period with in a message.

Message control via LAN or RS232 with direct audio from the recorder.

Up to 4 simultaneous replay sessions using audio line outputs or more than 16 simultaneous sessions over the LAN.

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■ GENERAL

Status display:

Optical media usage.
Buffer usage.
Alarm indicator.

Auxiliary inputs: External equipment alarm contacts.

Clock accuracy: +/- 6 seconds per week (25C temperature range).

Ports:

RS232 serial port.
Ethernet TCP/IP 10 base T (RJ 45).

■ ENVIRONMENTAL

Shock and bump:

Non-operational:
IEC 68-2-29.
Test Eb 10 g peak 16ms duration, 1000 bumps.
Drop: 1 metre on to concrete in air freight package.

Vibration:

Non-operational:
IEC 68-2-6.
Test Fc 0.075 mm peak displacement 10 Hz to 57 Hz.
1g peak 57 Hz to 200 Hz.

Temperature:

Operating: +5C to +40C.
Storage: -20C to +60C.
Heat dissipation: approx. 136 BTUs.

Humidity:

Operating: 20% to 80% rel. humidity.
Storage: 5% to 80% rel. humidity.

Media storage life:

Data life: >15 yrs.
Storage temp: -20C to +50C.
Storage humidity: 3% to 85%.

EMC:

Emission: EN55022 Class B.
Susceptibility: EN50082/1.
Electrostatic discharge: EN50082/1 8 kV survival,
4 kV functional.
Safety: IEC 950 (EN60950), CSA.

■ ELECTRICAL

Mains supply:

Voltage range: 100 to 240 V
Frequency range: 50 to 60 Hz
Input surge current: 40 A (230 V)
20 A (115 V)
Power consumption: Typically less than 40 Watts in normal operation.

■ PHYSICAL

Free-standing:

5.25 x 16.5 x 15.75 inches (height x width x depth).
133.35 x 420 x 400 mm.

Rack mounted:

5.25 x 16.5 x 15.75 inches (height x width x depth).
133.35 x 420 x 400 mm.

Case loading footprint:

< 25Kg over 250mm x 250 mm area.

Weight: 10 kg (22.1 lb.)

Colour:

Nearest equivalent -BS381C	694
Fed std 595	26307
RAL	7030

Cooling: Mirra requires no additional forced air cooling.

Dealer Stamp

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The Thales Contact Solutions policy is one of continuous development and consequently the equipment may vary in detail from the description and specification in this publication. Publication Number: 3274-4/0501/1340D.
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