



MM-1000 Series Recorder/Reproducer

GENERAL ACCESSORIES

AMPEX

AUDITEC SYSTEM. This accessory opens up exciting possibilities by linking the MM-1000 to the Ampex RA-4000 Automatic Programmer. The combined system permits frame-by-frame synchronization of the MM-1000 with Ampex videotape recorders, or synchronous operation of up to six audio or video recorders. It provides true random access cueing, previewing and synchronization of video with audio tapes. (See separate Auditec System sheet for complete description.)

CAPSTAN SERVO KIT. The basic accessory offers extreme reliability and freedom from power line fluctuations. The Tape Lock accessory eliminates timing and pitch errors on playback; the Sync Lock accessory synchronizes tapes to the station reference signal; and the Variable Speed accessory adds a range of speed selection. (See separate Capstan Servo Kit sheet for complete description.)

REMOTE TRANSPORT/SEL-SYNC®* CONTROL PANEL. The basic purpose of this compact, convenient desktop unit is to duplicate all MM-1000 transport and SEL-SYNC controls for remote operation up to 100 feet from the machine. However, it adds exciting control features to the machine that any recording studio (and most artists) will find extremely valuable.

The transport controls for record, play, fast forward, rewind, stop and lifter defeat are identical in every way to those on the machine. SEL-SYNC controls—a two-position toggle and four color-coded lights for each channel—are grouped above them, and differ from the controls at the machine.

Each channel may be switched to either the SAFE or READY mode. The operator knows at a glance whether the mode for any channel is reproduce-only (no lights), monitor playback in SEL-SYNC (green), or monitor input (blue). With the channel switch in the READY position, the orange light (ready) will appear. It is replaced by the red light (record) when the transport is put in the RECORD mode.

The MASTER panel between the transport and SEL-SYNC controls is not duplicated on the machine, and it provides important extra benefits.

*SEL-SYNC is a registered trade name.

The SAFE/REPRO button overrides the RECORD control and puts the MM-1000 in the reproduce-only mode. The other controls put SEL-SYNC to work for the recording artist.

With the transport in the PLAY mode and the MASTER panel's READY/SYNC button activated, any channel whose individual SEL-SYNC control is in the SAFE mode will be reproduced over the monitor in SEL-SYNC (playback from the record head). A toggle at the MASTER panel permits playback of these taped signals either alone (MONITOR SYNC) or with the addition of other signals (MONITOR INPUT). In practical terms, this means that a vocalist can rehearse by singing into a microphone and listening through a headset as his voice is reproduced in sync with pretaped music.

When the Capstan Servo Kit with its Variable Speed accessory or Video Sync Lock accessory is ordered with the machine, remote controls for the accessories can be included as part of the remote panel or ordered as a separate panel. (See separate Capstan Servo Kit sheet for complete description.)

4010153-01	8-channel remote control
4010153-02	8-channel remote control with Variable Speed Accessory control
4010153-03	16-channel remote control
4010153-04	16-channel remote control with Variable Speed Accessory control
4010153-05	8-channel remote control with Sync Lock Accessory control
4010153-06	16-channel remote control with Sync Lock Accessory control
4940370-01	24-channel remote control
4940370-03	24-channel remote control with Variable Speed Accessory control
4030335-01	Variable Speed Accessory remote control only (add-on unit)

SE-20 BULK TAPE DEGAUSSER. A heavy-duty, automatic tape degausser, capable of degaussing 1/4-inch to 2-inch magnetic tapes on up to 15-inch-diameter reels. This highly dependable unit is fully enclosed and portable for use in different locations. Its cycling rate is 30 seconds and it can be operated continuously.

6206260-01 SE-20 Bulk Tape Degausser

EXPANSION KITS. The MM-1000's expandability feature gives you the options of buying an 8- or 16-channel recorder, then expanding it to 16 or 24 channels as your need for recording capacity grows. Each Expansion Kit is the complete package of electronics, heads, controls, and wiring harness required to add eight channels to an MM-1000-8 or MM-1000-16. (Note: addition of eight channels to an MM-1000-16 must be done at the factory.)

4940150-06 Expansion Kit, 8- to 16-channel
4940150-03 Expansion Kit, 16- to 24-channel

TWO-INCH TO ONE-INCH CONVERSION KIT. Any 16-track two-inch MM-1000 can be converted to an eight-track one-inch machine with this kit. It includes not only the eight-track head assembly, but the necessary tape guides, reel and spacers as well.

4940187-03 2-inch to 1-inch Kit

PLUG-IN INPUT UNITS. Standard with every MM-1000 and with the purchase of expansion kits are balanced bridging transformer plug-in units for every channel. Two other plug-in units are available as accessories: a microphone preamplifier that takes both high and low-impedance microphones, and a transformer for 600-ohm line matching.

4010066-01 Microphone preamplifier
4580200-02 Line matching transformer

EXTENDER BOARDS. They permit the testing or servicing of electronics boards during operation. Four types are available:

4020151-03 Reproduce
4020152-01 Record
4020153-01 Bias amplifier
4020154-01 Power supply

HEAD ASSEMBLIES. Complete assemblies—including RECORD, REPRODUCE and ERASE heads.

4940177-02 8-channel head assembly
4940178-02 16-channel head assembly
4952518-01 24-channel head assembly

FOOT SWITCH. This accessory makes cueing and loading easier. Foot pressure on it releases the brakes on the transport torque motors, leaving both hands free to handle reels and operate controls.

4012121-10 Foot switch

SPEED CHANGE KIT. This kit changes transport speeds from 7.5/15 ips to 15/30 ips. It includes a hysteresis synchronous motor and special equalizers. For 8-, 16-, or 24-channel machines.

Speed Change Kit

ALIGNMENT TAPE

4690025-01 1-inch 7.5 ips NAB full track
4690007-01 1-inch 7.5 ips NAB 8-track
4690032-01 1-inch 7.5 ips IEC (CCIR) full track
4690021-01 1-inch 7.5 ips IEC (CCIR) 8-track
4690005-01 1-inch 15 ips NAB full track
4690006-01 1-inch 15 ips NAB 8-track
4690031-01 1-inch 15 ips IEC (CCIR) full track
4690020-01 1-inch 15 ips IEC (CCIR) 8-track
4690042-01 1-inch 30 ips 17.5 μ sec 8-track
4690048-01 1-inch 30 ips 17.5 μ sec full track
4690025-01 2-inch 7.5 ips NAB full track
4690022-01 2-inch 7.5 ips NAB 16-track
4690036-01 2-inch 7.5 ips IEC (CCIR) full track
4690034-01 2-inch 7.5 ips IEC (CCIR) 16-track
4690024-01 2-inch 15 ips NAB full track
4690018-01 2-inch 15 ips NAB 16-track
4690035-01 2-inch 15 ips IEC (CCIR) full track
4690033-01 2-inch 15 ips IEC (CCIR) 16-track
4690047-01 2-inch 30 ips 17.5 μ sec full track
4690039-01 2-inch 30 ips 17.5 μ sec 16-track

LOW-NOISE MASTERING TAPE. The sizes listed below are supplied on a 10½-inch NAB reel. Other configurations are available.

973311 434—2-inch x 2500 feet x 1.5 mil
973111 444—2-inch x 3600 feet x 1.0 mil

SALES OFFICES

CALIFORNIA
500 Rodier Drive
Glendale 91201
(213) 245-9373 TWX No. 910-497-2268
120 Independence Drive
Menlo Park 94025
(415) 367-3861 TWX No. 910-378-5920

GEORGIA
1680 Tully Circle, N.E.
Atlanta 30329
(404) 633-4131 TWX No. 810-751-8586

ILLINOIS
10 King Street
Elk Grove Village 60007
(312) 439-4600 TWX No. 910-222-2864

MARYLAND
7222 47th Street
Chevy Chase 20015
(301) 652-1881 TWX No. 710-824-0409

NEW JERSEY
75 Commerce Way
Hackensack 07601
(201) 489-7400 TWX No. 710-990-5143
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TEXAS
1615 Prudential Drive
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