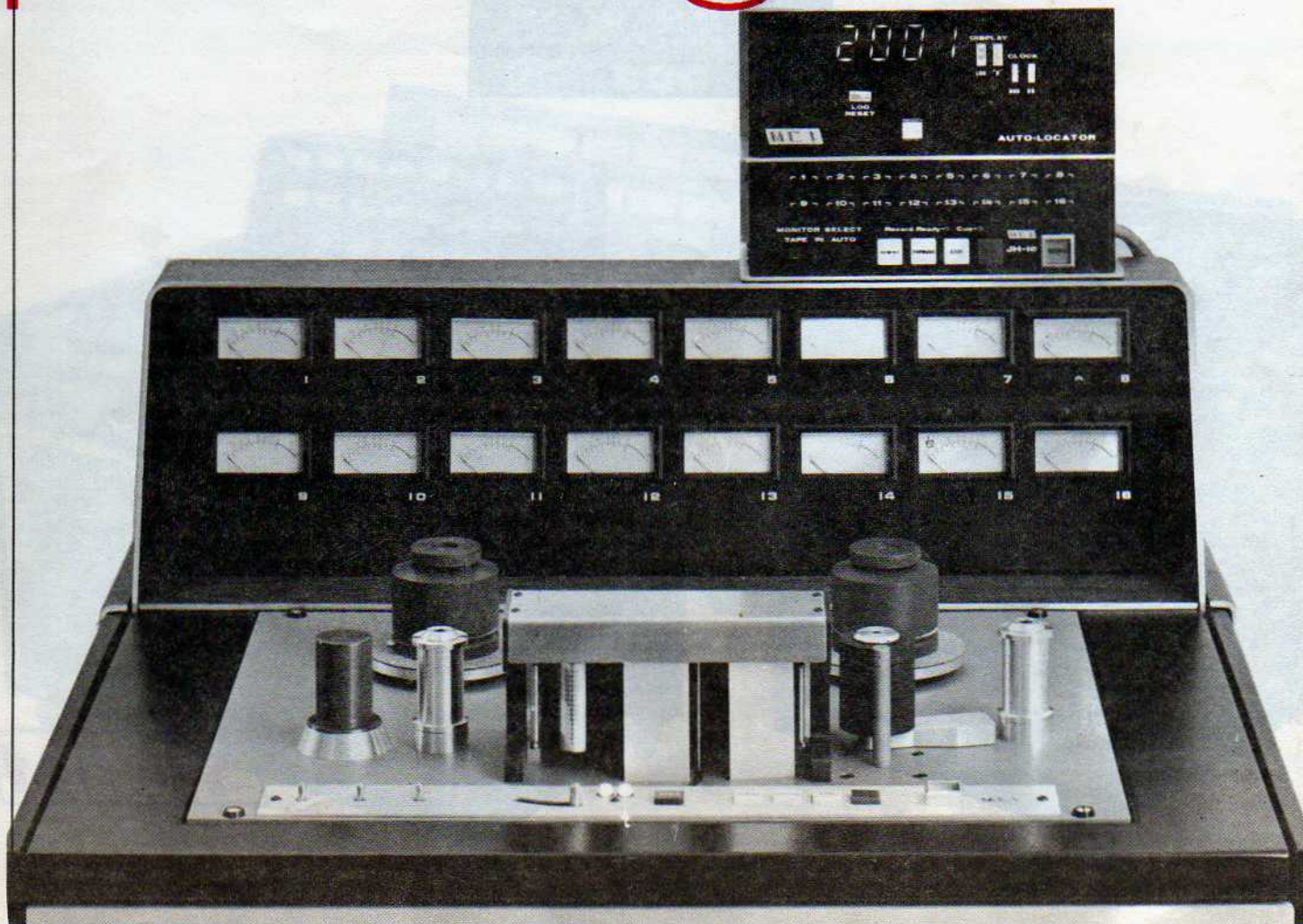




product guide



MAGNETIC RECORDING SYSTEMS

The JH-16, 16 track magnetic Recording System, evolved from a necessity to produce a more compact multi-track Recording System at a more reasonable price. It incorporates the latest, up-to-date mechanical and electronic design ideas, including modular circuit layout, connector board busing, and integrated circuit technology. Great care has been exercised in the packaging of the JH-16 system to ensure that all sub-assemblies are easily accessible. Down time and servicing are minimized. All adjustments and test points are conveniently located.

The JH-16 is designed for either one inch or two inch tape and with an optional set of heads and guides is quickly field convertible to either mode of operation. The system is available in 8 or 16 track format and may be expanded to the full 16 tracks with the purchase of a conversion kit. All functions are fully remotable with a complete remote control supplied as standard equipment. An optional Digital Auto-Locator is available as an accessory, mounted in the remote box.

The JH-24, 24 track Magnetic Recording System, is a natural extension of the JH-16 system incorporating the same basic elements expanded into a larger format. The packaging of the JH-24 is identical to that of the JH-16 and the same modular design concepts have been employed throughout. The JH-24 design maintains both the economy and the serviceability of the JH-16.

As with the JH-16, the JH-24 is readily convertible from one to two inch tape format with optional sets of heads and guides available. The system may be purchased in 8, 16 or 24 track configuration and expanded at any time with conversion kits. The 24 track remote box is identical to the 16 track version with an additional row of control push buttons. An optional Auto-Locator is also available as an accessory, mounted in the remote box.

JH-16



JH-24



MIXING CONSOLES

The modular design of the JH-16 and JH-24 systems, when carried over to Mixing Console design, produce one of the most flexible and economical consoles available. The JH-416 is a 24 track in-24 track out console with 16 channel bus selection; simultaneous quad (4 track), 2 track, and mono mixdown; dual cue and echo send; and full quad (4 track) Control and Studio monitoring. The JH-416 is a multi-purpose console, readily switched between Mix, Tape, and Remix modes.

The system modules interface with a connector board which contains all wiring except to the patch bay and the terminal blocks. Each console is shipped with a full compliment of Master and Monitor modules and any specified number of input modules. The system may be expanded to the full 24 track capability at any time by plugging in the necessary number of input modules.

Power is supplied from three independent, interchangeable power supplies which are included with the package.

JH-416

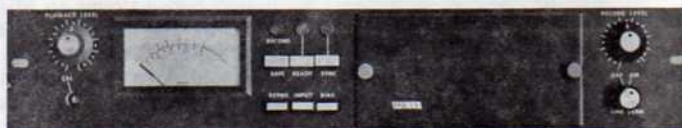


MCI

JH-5

Single Channel Electronics

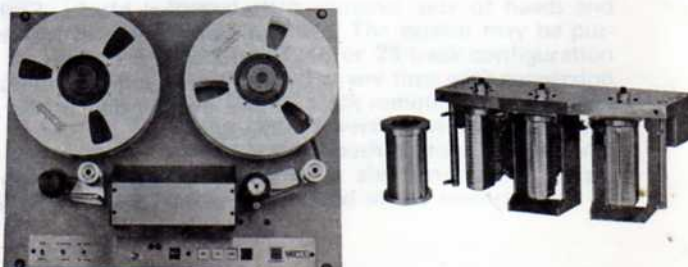
The JH-5 single channel electronics is a building block for one, two or four track recording systems. It can be used to update older tube units or to construct a complete new system. It uses the same modules as the JH-16 system and interfaces with low impedance heads. Each unit has calibrated or variable reproduce level and sync capability. The JH-5 power supply is designed to supply four electronics units.



JH-10

1 1/2" Tape Transport

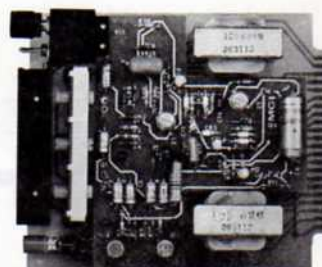
The JH-10 tape transport, used in the JH-16 and JH-24 Recording systems is available separately as a one inch / two inch convertible transport. It affords superb tape handling through the use of constant tape tensioning, dynamic breaking, rigid roller guides, and automatic tape lifter and head shield. Fail-safe logic insures smooth handling of valuable master tapes. Rapid one inch / two inch conversion is facilitated through the use of interchangeable tape guides and head assemblies. The auto-locator option is available for all configurations of the transport.



JH-33

Noise Gate

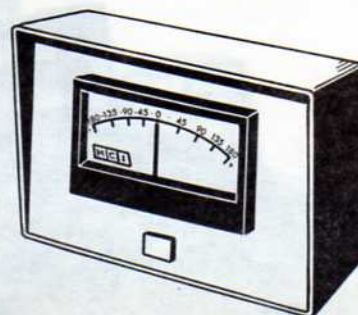
The steady increase in the number of tracks on multi-track tape recorders has complicated the inherent problem of noise. The JH-33 Noise Gate is designed for use with either the JH-16 or the JH-24 recording systems as a direct plug-in conversion. It is designed to cut out dead channel noise and has an adjustable threshold level. A solid state lamp indicates gating and an override switch can be used to bypass gating operation.



JH-44

Phase Meter

MCI's varied custom console experience has led to the development of several accessories for the professional studio. The JH-44 Phase meter allows the engineer to keep a constant monitor of the phase integrity of his program material. The meter consists of a comparator circuit card, a power supply, and a meter, all housed in an aluminum case. The meter reads ± 180 degrees for frequencies from 10 Hz. to 20 kHz. Both balanced and unbalanced, 10 K. ohm (bridging) inputs are available. The input dynamic range allows handling of signals from minus 30 db. to plus 20 db.



MCI-2001

Op. amp.

Another product of MCI research in the audio field is the MCI-2001 operational amplifier. This amplifier is a monolithic operational amplifier which meets the specs of the most demanding studio situations. It has a balanced, high impedance input suitable for use either as a summing or bridging amplifier, and a low impedance output capable of driving several 600 ohm loads. Distortion and noise characteristics are excellent and quiescent power drain is low. The MCI-2001 Op. amp. is the heart of the JH-416 console and is available for your special applications.

