



## METROTECH BACKGROUND MUSIC SYSTEMS SERIES 3000

### Total Capability

The Metrotech Series 3000 is a complete and fully automated background music system—delivered to you ready to plug in and operate.

### Designed For Continuous, Unattended Operation

Once started, the system never shuts down—until you turn it off. Tape reproducers, and other program sources, are controlled to sequence automatically, and indefinitely, to produce a continuously varied format. And you can introduce new material at any time, without interrupting operation.

### Complete Program Flexibility

You can quickly and easily pre-set the mix of music and other program material to meet the requirements of any particular installation. You can also change the sequencing at any time to introduce variations, or to meet special situations. And the system is so flexible there is no recognizable pattern—the programming is always *fresh!*

### Uses Program Service Or Custom Recorded Tapes

You can select your materials from large libraries of standard background music tapes, or you can custom make your own.

### Highest Quality Components

Metrotech makes all system components—including the 500-A Series professional quality tape reproducers.

### Entire System Meets NAB Specifications

The 3000 Series meets or exceeds all NAB and other applicable performance specifications. Output is limited only by the quality of your tapes or other program sources. The tape reproducers, for example, even at the slowest of their three selectable speeds, have a frequency response superior to commercial AM broadcast.

### Uses Regular Transmission Methods

System output can be through FM multiplex via SCA, leased telephone lines, CATV, in-plant systems, or extended hard-wire installations.

# OUTSTANDING FEATURES OF THE SERIES 3000

## Total System Engineering

Every component of the Series 3000 has been engineered as an integral part of the total system. And Metrotech *makes* every component — the Interspersion Control Unit and the Tape Reproducers. All feature heavy duty construction, and this, combined with careful workmanship, makes the system an outstanding performer, assuring you of dependable, troublefree operation and long life.

## All Solid State Electronics

For maximum performance, stability and long-term reliability.

## Bi-Directional Tape Reproducers

Standard system units are mono, available in either half or quarter track formats on 1/4" tape, and are equipped for fully sequenced automatic reversing. They offer manually selectable three speed operation, and will accept either 10 1/2" NAB or 7" EIA reels.

## Interspersion Provides Flexible Programming

Precisely switches tape transports, and external program sources if added, in a sequence predetermined by the program operator. Twelve selector switches, each with three positions, provide for almost unlimited variations. A light above each indicates which switch is active, and thus also shows what program material will follow. And the Interspersion can be switched to operate on either "silence" or 25 Hz "tone" sensing for interludes of up to 20 seconds between numbers.

Operator-announcer may also "take over" at any time. Important for in-plant operations, and in emergencies.

## Complete Operational Controls

Located on the front panel of the Interspersion are a full complement of controls: System Power On-Off; Line Output Level; Line Output Selector; Bass; Treble; Automatic Gain Control;

Monitor Selector; Monitor Level; V. U. Meter.

## Full Monitoring Capability

Provision is made to monitor the line output, and all other audio circuits and sources, without program interruption.

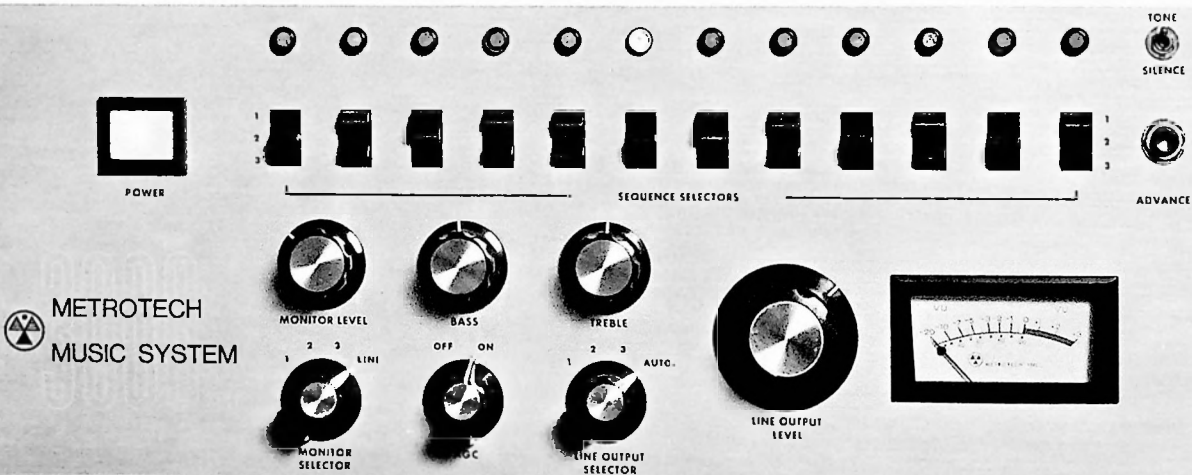
## Fail-Safe Design

Should any loss of output occur, such as that resulting from a tape break, the System will automatically search for, and switch to, another operating source.

## Modular And Expandable

The basic system consists of two tape reproducers and the Interspersion Control Unit. The capability to handle a third program source is built-in, and another tape unit, or microphone, phonograph or tape cartridge reproducer can be added at any time.

Custom systems with four or more tape reproducers, and stereo models, are also available.



## SUMMARY SPECIFICATIONS

**Tape Reproducers:** refer to 500-A Series brochure for full description and specifications.

**Total System Frequency Response:** same as tape transports and other sources, but front panel Bass and Treble controls permit independent control of high and low frequency ends to +10 -18 db.

**Total Unrepeated System Playing Time:** (using 3M294 double-play tape) with

three quarter-track transports and fully sequenced logic:  
7 1/2 ips: 25.5 hours  
3 3/4 ips: 51 hours  
1 7/8 ips: 102 hours

**Overall System Circuit Induced Distortion:** .30% THD.

**Output:** +12 or +18 dbm/600 ohms (per internal strapping).

**Electronics:** 100% solid state.

**Cueing Signal Frequency and Sensitivity:** 25 Hz ±1 Hz; -15 db below signal level (adjustable).

**Power Requirements:** 117 volts, 60 Hz, 300 watts (add 100 watts for third tape transport). 50 Hz on special order.

**Size and Weight:** 23" W, 23" D, 67 1/4" H; with two transports, 235 lbs.; with three transports, 275 lbs. Shipping weights 300 lbs. and 350 lbs. respectively.

## Warranty

Metrotech warrants that all products manufactured by them are free from defects in material and workmanship for a period of one year from date of shipment (see full warranty).

*Metrotech reserves the right to change specifications without notice or obligation.*



# METROTECH

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