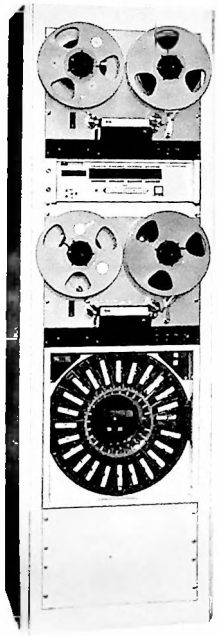
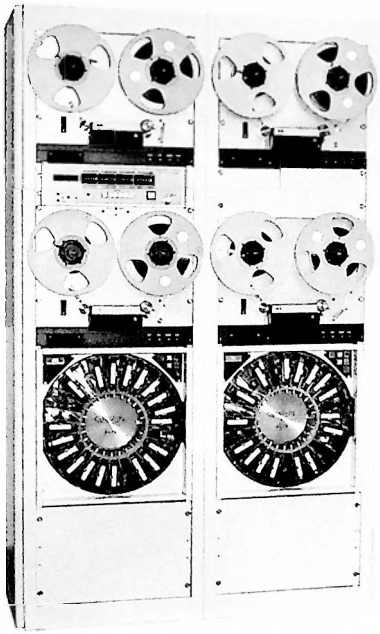
MEI MICROPROBE ELECTRONICS INC . . . Automation You Can Really Afford!



The Log 2 Automation System

The Log 2 is truly a great way to automate inexpensively for more profit and efficiency. Using the new MEI Model 100-B Programmer, it provides for a completely automatic operation, while allowing for as much manual control as desired. It has all of the superb performance features found in the Log 4 System.

Five additional pieces of your present equipment can be tied to the Log 2 System and controlled by the 100-B Programmer. And of course, the Log 2 can be expanded into a Log 4 System at any time.



The Log 4 Automation System

The Log 4 System gives you the additional versatility and capacity you need for greater music variety and longer walkaway times. It allows for much greater control of your air sound, and gives your staff more free time for other work. Two additional pieces of your present equipment can be tied to the Log 4 System and controlled by the 100-B Programmer.

Both the Log 2 and the Log 4 have great operational flexibility. Since their output can be fed directly to the transmitter or stereo generator, monaural AM or FM stations will find that either System provides a surprisingly economical way to convert to stereo.

The really exciting part of the Microprobe approach to automation is the VALUE. In spite of their outstanding performance features, enormous versatility and high reliability, the Log 2 and Log 4 Systems cost *thousands of dollars less* than other Systems.

The Exciting **New** 100B Programmer

1 **RESET & FLOAT** indicates at a glance what the programmer will do when the song being played is finished. If "float" is lighted, another song will play. If "RESET" is lighted, programmer will go into the commercial break.

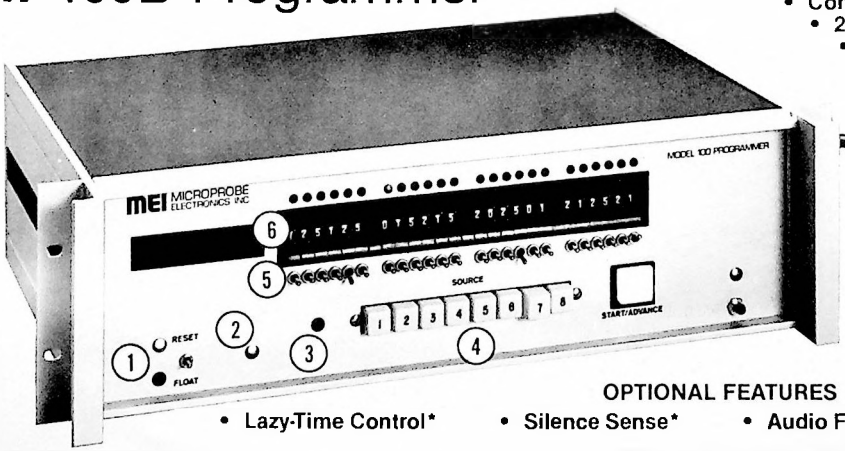
2 **TIMING CIRCUIT INDICATOR LIGHT**

3 **25 HERTZ CUE TONE INDICATOR LIGHT**

4 **SOURCE SWITCHES** release tape decks from automatic to manual control.

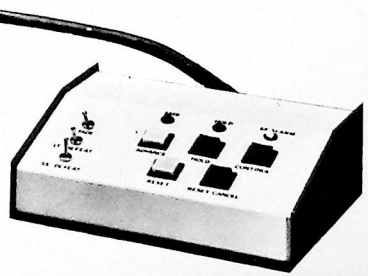
5 **SKIP TOGGLES**
Allow for skipping unneeded music in a given segment prior to a commercial break.

6 **SOURCE NUMBERS**
Once you have assigned numbers 1 thru 8 to your tape decks, cart machines and carousels, simply dial them up in the sequence you wish them to play.



STANDARD FEATURES

- **Controls 8 Sources — 24 Events**
- **25 Hz Master Sensor**
- **25 Hz Notch Filter**
- **Adjustable Deadroll**
- **Overlap Audio**
- **Hold-And-Continue Capability**



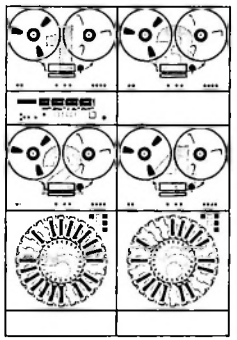
OPTIONAL FEATURES

- **Lazy-Time Control***
- **Silence Sense***
- **Audio Fade**
- **Remote Control Console**

(*Standard on Log 2 & Log 4)

Format Possibilities

The Model 100B can control formats of varying complexity. Because of its flexibility there are often several ways to execute the same format.



M - Music; C - Commercial; R - Reset to Event 1

FORMAT A — BASIC LOG 4 SYSTEM FORMAT

1	2	3	4	5	6						12						18						24
1	2	3	4	3	5	6	5	6	2	1	3	4	2	6	5	6	5	9	9	9	9	9	9
M	M	M	M	M	C	C	C	C	M	M	M	M	M	C	C	C	C	R					

15 min 15 min

FORMAT B — MATCH-FLOW MUSIC IN ¼-HOURS

1	2	3	4	5	6						12						18						24
1	5	6	5	6	2	6	5	6	5	1	5	6	5	6	2	5	6	5	6	9	9	9	9
M	C	C	C	C	M	C	C	C	C	M	C	C	C	C	M	C	C	C	C	R			

15 min 15 min 15 min 15 min

FORMAT C — COMMERCIALS SHOTGUNNED

1	2	3	4	5	6						12						18						24
1	2	5	3	6	4	2	5	6	1	2	5	4	6	5	2	1	9	9	9	9	9	9	9
M	M	C	M	C	M	M	C	C	M	M	C	M	C	C	M	M	R						

FORMAT D — SEMI-AUTOMATIC — COMMERCIALS HANDLED LIVE

1	2	3	4	5	6						12						18						24
4	3	2	1	3	0	2	3	1	4	2	0	3	4	1	2	4	0	1	2	3	4	2	0
M	M	M	M	M	BREAK	M	M	M	M	M	BREAK	M	M	M	M	M	BREAK	M	M	M	M	M	BREAK

15 min 15 min 15 min 15 min

FORMAT E — BASIC LOG 2 SYSTEM FORMAT

1	2	3	4	5	6						12						18						24
6	5	2	5	1	2	5	1	5	2	1	5	2	5	1	2	9	9	9	9	9	9	9	9
ID*	C	M	C	M	M	C	M	C	M	M	C	M	C	M	M	R							

FORMAT F — COMMERCIAL CONTROL OPTION (LOG 4 SYSTEM ONLY)

1	2	3	4	5	6						12						18						24
1	2	3	4	2	4	3	2	1	4	1	3	2	3	1	4	3	5	1	2	3	4	2	3
M	M	M	M	M	CC	M	M	M	M	M	CC	M	M	M	M	M	CC	M	M	M	M	M	CC
					CC						C						CC						CR
																	C						

15 min 15 min 15 min 15 min

*6 - External Source

MEI It's all the automation most stations will ever need!

PROGRAMMING and OPERATION: The MEI Model 100-B Programmer, which is the heart of the Log 2 and Log 4 Systems, is ideally suited for the radio station that is interested in an inexpensive and flexible approach to automation. In either manually-assisted or fully-automatic mode, it controls 8 sources — tape decks, carousels, single- or triple-play cart machines, even a microphone — in any combination.

The Model 100-B is simple to operate — just dial in any sequence of machines you want it to play. The Programmer will then play that sequence while your operator writes news, records commercials or answers the phones. 24 events can be dialed in a continuous sequence, after which the 100-B Programmer automatically returns to Event #1 and repeats. or the Number 9 may be dialed into the sequence at any point, which will also cause the Programmer to return to Event #1 and repeat.

The entire program is in plain view at all times. Changes can be made immediately and without confusion.

With the "Hold and Continue" feature, your operator can maintain whatever degree of manual control is desired, even to the point of stopping after every song or commercial!

ENGINEERING: Most of the logic circuitry is on plug-in boards. Extensive use of diagnostic LED's and adjustable controls allows the unit to be checked and adjusted in the field without test equipment. All IC's and relays are unpluggable and readily available.

Experience has shown the creative bent of many station engineers. For that reason, access to much of the internal control circuitry has been brought to the remote plug for possible station use.

FEATURES:

- **Hold and Continue** (Available at Remote Plug) — These functions are very helpful during manually-assisted operation. The operator need only push a "Hold" button to go "Live". At the end of the song or commercial being played, the Programmer will stop and hold until the "Continue" button is pushed.
- **Adjustable Deadroll** — Allows for tight or loose music cueing, depending on format.
- **Overlap Audio** — With the proper use of tones, two audio sources may be on the air at the same time . . . makes it possible to do voice-overs.
- **Lazy-Time** (Optional) — Lazy-Time circuitry makes the same decision that an operator would: whether to go into the commercial break, or to play more music (float) in case it's too early for a break. Lazy-Time circuitry can be set to make this decision every 15, 20, 30 or 60 minutes, depending on format.
- **Silence Sense** (Optional) — Protects against tape breaking or operator absence. After 10 seconds (or more) of silence, the Programmer will search until a source of audio is found, and put it on the air.
- **Remote Advance** (Available at Remote Plug)

For more information, please contact Dave Collins at (312) 440-3111

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