

SH-9038 Micom Programmable Unit (Optional for use with ST-9038 tuner)



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Stereo System Computerization is Now a Reality

In an age when many things are progressing toward sophisticated computerized control, Technics offers the SH-9038 Micom Programmable Unit. As an optional companion unit for the ST-9038 tuner, the combination will allow you to program an entire stereo system. While not an audio processor itself, it is designed to let you get more enjoyment out of your system than you ever imagined possible.

32-Step Programmable Memory Function Includes FM Station Selection

Designed to be used with the ST-9038 Quartz Synthesizer FM tuner, the Micom can be programmed to remember up to eight different FM stations on the ST-9038 tuner. You can then set the Micom to tune in any of these stations, in any order, at any time of the day on selected days, for a one-week period. Besides FM station selection and tuner on/off, you can also program the unit to turn on or off any of three additional components plugged into the AC outlets of the power unit, such as your amplifier, tape deck, etc. All together, the Micom can be programmed to remember up to 32 individual steps in the following order: day-of-the-week, time, station, AC line, on/off. You program the unit in the "write" mode, and then get a display of the program in the "read" mode. You also have the option of "overriding" your program (manual), or allowing it priority (auto). For example, if you have programmed the unit to turn station "ABC" on at 9:00, "ABC" will come on at 9:00 regardless of what station you were listening to beforehand. However, if you want to listen to station

"XYZ", and don't want the unit to switch to "ABC" at 9:00, just turn the program mode to "manual", and the program will be overridden. You have this same option when it comes to switching on or off the other components connected to the unit.

The Microprocessor: A Successful Adaptation of Computer Techniques

The brain behind the various programming functions of the SH-9038 is our own microprocessor chip. Designated MN1400, the one-chip microprocessor contains a 1024 x 8-bit ROM (read-only memory), and a 64 x 4-bit RAM (random-access memory). Additionally, two CMOS IC's, functioning as 8-bit RAM's, provide memory capacity for up to eight pre-selected stations.

Clock Function

The switching operations are correlated with the Micom's digital clock. The easy-to-read timepiece is built into the front panel, and gives continuous indication of minute and hour, with the day of the week indicated by an LED. Adjustment of the clock can easily be made with separate hour and minute buttons. Another button selects the day of the week.

Stop-Watch Function

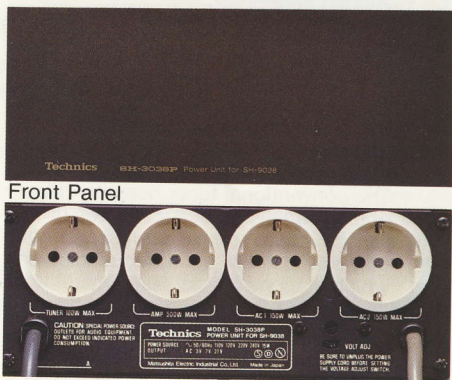
This feature comes in handy when you're recording. When in the stop-watch mode, the clock gives a readout in minutes and seconds, up to a total of 59:59, at which point it resets to 00:00, and the cycle is repeated. There is also a hold function, which you can

use to stop the clock while the tape deck is in the "pause" mode. With the stop-watch, you have a precise record of recording time, and don't have to guess about time remaining before tape run-out.

Die-Cast Cabinet Provides Shielding Effect

The SH-9038's die-cast cabinet prevents it from causing interference in other components. Conversely, extraneous outside signals that might affect the microprocessor's accuracy are kept out.

Power Unit for SH-9038



Dimensions (W x H x D) 225 x 97 x 166 mm (8-27/32" x 3-13/16" x 6-17/32")
Weight 3 kg (6.6 lb)

Programming: Here's How Easy It Is.

Desired Setting	Program Start	Day of Week?	Time of Day?	FM Station?	Tape Recording?	On or Off?
How to Operate	Set Program Mode Selector at WRITE.	Push button for desired day (s) of week (e.g. Monday = 2)	Push buttons (4 digits) for desired time, in 24-hour method. (e.g. for 9:38 p.m. push 2-1-3-8)	Push button for one of 8 pre-selected FM stations.	To record on deck 1, push AC1. For deck 2, push AC2. Push both to record on both decks.	Push "on" button (Off button turns equipment off at programmed time.)

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