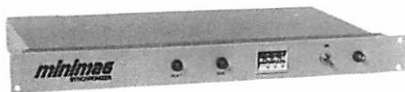


What do you call a great new synchronizer that does everything you need?

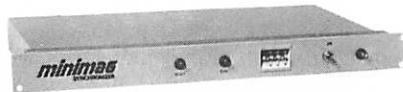
We call it ***minimag***[®]



MINIMAG is the lowest priced and the smallest professional-quality synchronizer in the industry. Works with every type of multi-track machine — video or multi-channel audio, sprocketed or unsprocketed.



MINIMAG synchronizes any two mag tapes. Connects two 16-track machines to function as a single 30-track machine. Provides variable or fixed delay effects. Keeps an audio recorder in perfect sync with a VTR for audio "sweetening", including offsets . . . synchronizes TV and stereo FM simulcasts . . . permits remote overdub recording without releasing the master tape.



MINIMAG is a complete unit, including its own code generator. Simple to operate. Can be installed in less than 15 minutes.



MINIMAG has a capture range of ± 50 seconds and will maintain sync, or variable offset for any length of time regardless of tape stretch or shrinkage.

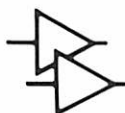


MINIMAG measures only 1 $\frac{3}{4}$ " high x 19" wide x 12" deep for convenient rack mounting. Plugs into any 115/230 volt, 50/60 Hz power

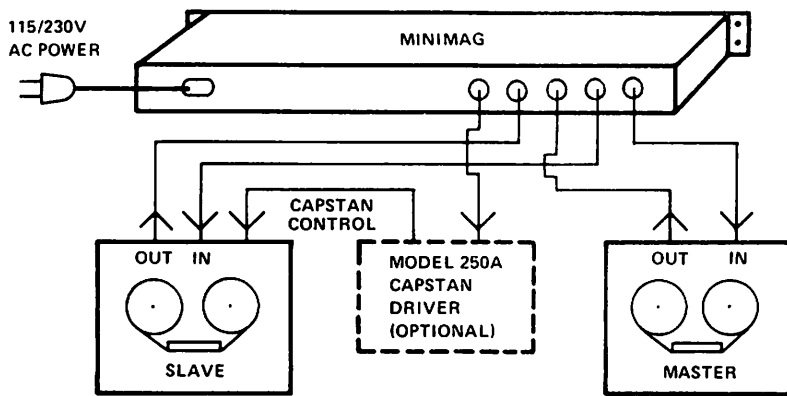
source. Power consumption is only 2 Watts, (100 Watts with the optional motor drive amplifier required for machines with synchronous capstan motors).



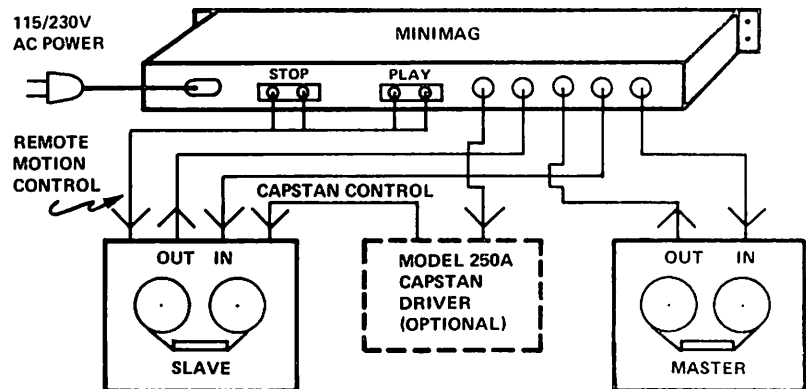
MINIMAG was developed by Automated Processes, creators of the MagLink[®] Synchronizer, and one of the most respected names in recording and broadcasting equipment. Our consoles and audio components have long been recognized for their quality and performance. This tradition of serving the professional has been continued in this new synchronizer.



AUTOMATED PROCESSES, INC.
789 PARK AVENUE, HUNTINGTON, NEW YORK 11743 • 516-427-6024



CONNECTION DIAGRAM BASIC SYSTEM



CONNECTION DIAGRAM WITH OPTIONAL STOP/START (PLAY) PLUG-IN RELAYS

Providing all essential functions for the synchronization of magnetic tapes, MiniMag will interlock any two conventional multi-track tape machines (video, audio, sprocketed or unsprocketed) by means of a time code applied to one track of each tape.

In operation, the time code generated by the MiniMag unit is recorded on both the "master" and the "slave" tape, either before, or simultaneously with the recording of program material. Thereafter, MiniMag compares the code played back from the slave tape with the code on the master tape and generates a capstan control signal which locks the tapes in perfect synchronism. Tape machines designed for DC servo operation are controlled directly, while synchronous motor machines require the accessory capstan drive amplifier, Model 250A. The tapes need not be perfectly aligned before starting because of the ± 50 second capture range provided. A front panel control makes it possible to offset or shift one tape with respect to the other to achieve lip sync or delay effects.

Optional plug-in relays are available to slave the Stop and Play functions as well as capstan control. With these relays installed, the slave machine will start and stop automatically as commanded by the master machine.

Switches provide for operation at either 115 or 230 volts and at either 50 or 60 Hz. Interconnection is accomplished by means of XLR type connectors and installation may be accomplished in less than 15 minutes.

SPECIFICATIONS

Time Code:	Unique MagLink sine wave digital code	Sync Locking Time:	Typically under two seconds from dead stop.
Code Generator Output:	-6dBm nominal (code generator with front panel reset switch is included in basic unit)	Capture Range:	± 50 seconds
Code Crosstalk into Program Tracks:	Does not degrade normal crosstalk specifications of tape machine	Offset Range:	$\pm .33$ seconds
Time Code Bandwidth:	2.5 kHz to 3.5 kHz. Requires tape channel response of ± 6 dB, 2kHz to 4 kHz	Power:	115/230 VAC, 50/60 Hz, 2 Watts
Sync Resolution:	1/300 Sec	Dimensions:	1 1/4" x 19" Rack Panel, 10" deep
		Weight:	Ten pounds
		Connectors:	XLR Type
		Relays:	Optional solid state plug-in type with screw terminals for connection to remote Stop and Play inputs of tape machine.