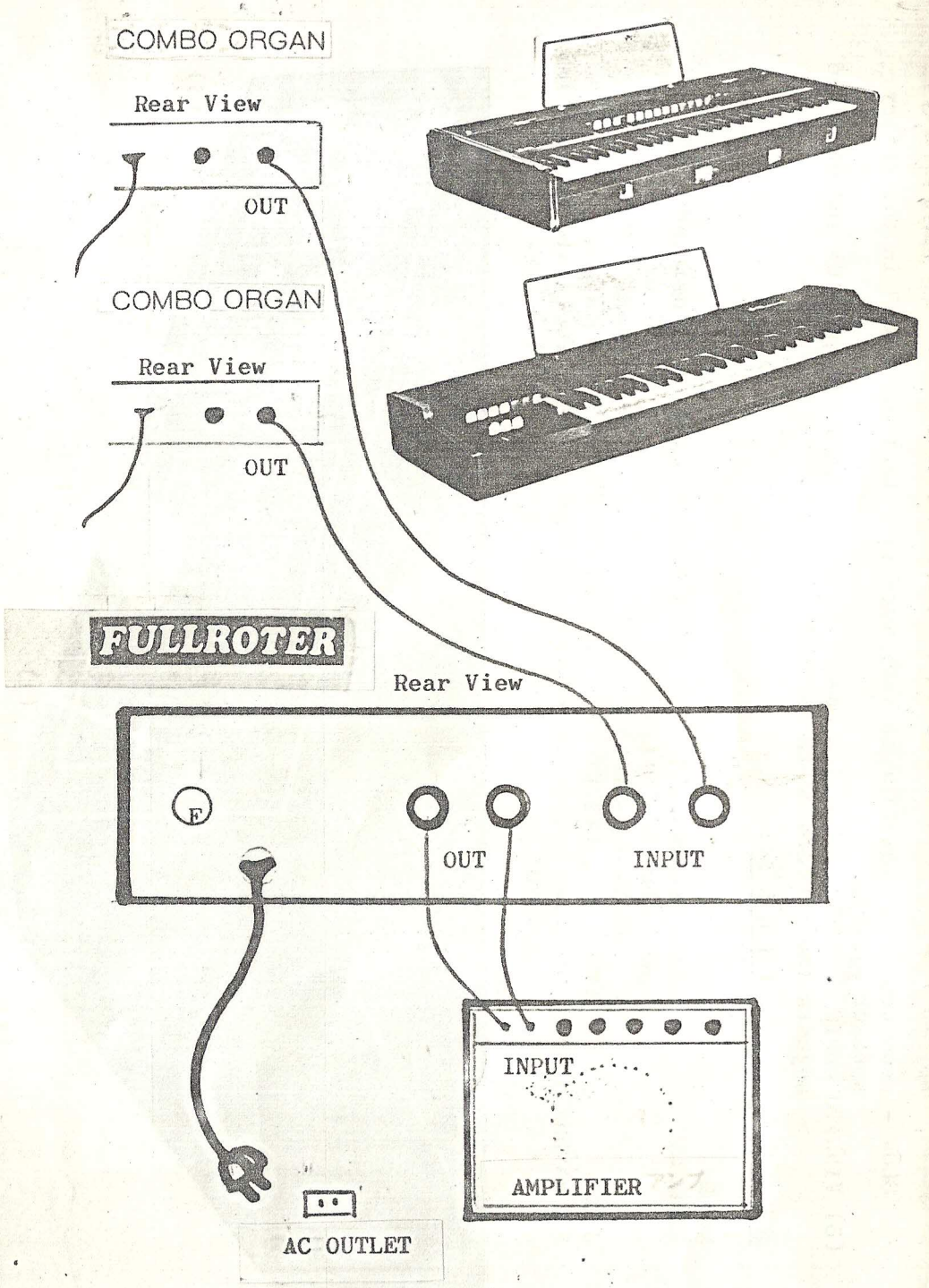
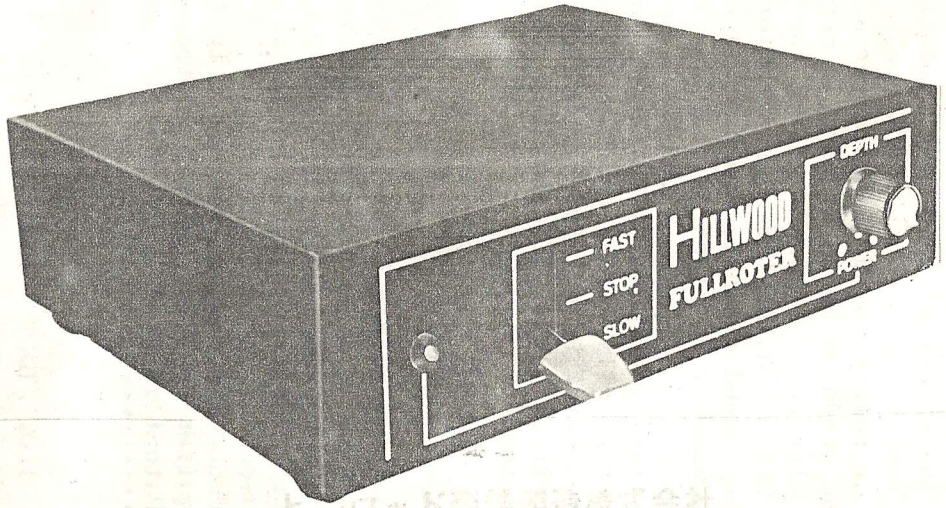


Hillwood

FULLROTER

F R - 2

Instruction Manual



HILLWOOD ELECTRONIC MUSICAL INSTRUMENTS CORPORATION
2-22-12, Hikawadai, Higashikurumeshi, Tokyo, Japan

For the effect of beautiful acoustic vibrato, most conventional electronic organs use turret speaker or horn since a Rotary Speaker System was pioneered with the use of rotary sound channels for adding acoustic tremolo to the otherwise flat sound produced by an electronic organ. The effect is nowadays a sort of " MUST " for electronic organs. Since the Rotary Speaker System was invented, everyone has been thinking that such a comfortable vibrato effect is never possible unless rotary sound channels are used by all means. But they admit that this effect (produced by an electronic organ with the use of a Rotary Speaker System)is still audible even through a monaural radio or a TV set. Why ? HILLWOOD, however, was finally successful in developing a very unique rotary sound circuit which can electronically create exactly the same beautiful acoustic vibrato as that of a conventional Rotary Speaker System, even with the use of a single channel. The circuit is quite different from that of a conventional Phaseshifting Device now marketed.

F E A T U R E S :

1. Doppler Effect (Acoustic Vibrato) such as is characteristic of a rotary speaker system is comforably audible even through a headphone.
2. No mechanical noise is audible unlike that of a rotary speaker system.
3. High power output can be unlimitedly obtained depending upon an amplifier to be used.
4. FULLROTER can be used not only for an electronic organ but also for an electric guitar or other musical instruments for enjoying comfortable sounds.
5. Patent is pending in various countries.

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C O N T R O L S :

(1) PILOT LIGHT - Indicates when FULLROTER is in the ON position.

(2) FAST - Acoustic Vibrato gradually accelerates very much like that of "FAST" in the conventional rotary speaker system when Tab is moved up to "FAST". Comparatively speedy vibrato is produced at this position.

STOP - Vibrato stops gradually, especially when Tab is moved down to "STOP" from "FAST".

SLOW - Produces very slow vibrato very much like that of "SLOW" in the rotary speaker system.

(3) VIBRATO DEPTH CONTROL WITH POWER ON-OFF SWITCH - Turns the unit ON and OFF, and adjusts the vibrato depth control.

S P E C I F I C A T I O N S :

MODEL	: F R - 2		
EFFECTS	: Depth Control	:(SEMICONDUCTORS)	: Transistor x 8
	Speed Control Switch	:	FET x 1
	(FAST-STOP-SLOW)	:	Diode x 7
JACKS	: INPUT x 2, OUTPUT x 2	:POWER CONSUMPTION	: 3 Watts
SEMICONDUCTORS	: FULLROTER MODULE IC x 1	:DIMENSIONS	: 200(W)x187(D)x60(H)mm
	(#7376)	:WEIGHT	: 1.5 kgs.
	IC x 1	: