



RV-7 REMOTE VFO MODEL 1338

General Description

The RV-7 is designed for use with the TR-7 and offers the operator a high degree of frequency control flexibility. The RV-7 can be employed for transmit, receive or transceive frequency control or can be turned off to allow transceive frequency control from the TR-7. For added convenience, the TR-7 RIT control line is applied to the RV-7 in the receive mode. A spot switch allows the RV-7 and TR-7 PTOs to be zero beat in split mode operation. The unit is housed in a cabinet which is styled to match the TR-7.



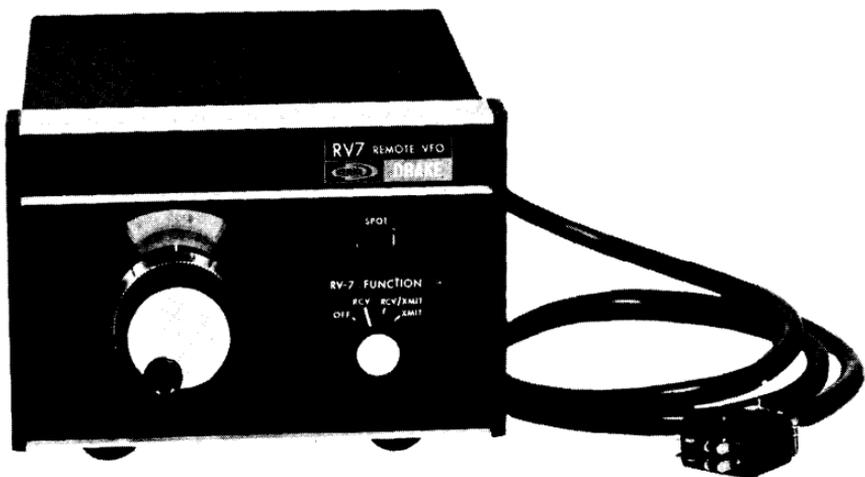
RV7

REMOTE VFO

MODEL 1338

INSTRUCTION

MANUAL



Installation

To install the RV-7, simply connect the control cable to the 8 pin connector located on the rear of the TR-7. A 4 foot cable is provided for ease' of location by the operator. See the TR-7 manual for the location of this connector.

Operation

The RV-7 has three controls: the main tuning dial, the function select control and spot switch.

The main tuning control determines the frequency of the VFO and is calibrated in exactly the same fashion as the transceiver VFO. The RV-7 function control has four positions: OFF, RCV, RCV/XMIT, and XMIT. The green LED indicates when the RV-7 is controlling the frequency of the TR-7.

In the OFF position, the transceiver will transceive normally using the internal PTO.

In the RCV position, the green LED will light in receive, indicating that the RV-7 PTO is enabled. It will extinguish in transmit. In this position, the RV-7 controls only the received frequency. The PTO in the TR-7 controls the transmit frequency.

In the RCV/XMIT position, both the transmit and receive frequencies are determined by the RV-7. The TR-7 PTO is disabled. The green LED will light indicating that the RV-7 has control both in transmit and receive.

In the XMIT position, the RV-7 controls only the transmit frequency. The receive frequency is determined by the TR-7 PTO. The green LED will light only when the TR-7 is in transmit.

The SPOT button is used for zero beating the RV-7 PTO with the TR-7 PTO. When the SPOT switch is depressed, the green LED will light indicating the RV-7 PTO is enabled. Be sure when using the SPOT button that the RIT is off. The R T sensitivity between the PTOs may not be equal leading to errors in the zeroing of the two PTOs. When in SPOT, some spurious signals will be created, be sure to pick the loudest, widest signal when zeroing the two PTOs. The TR-7 will not transmit with the SPOT switch depressed.

Service Data

The RV-7 will be checked and aligned at the factory for a nominal fee if there is no evidence of tampering. Transportation charges are extra. Any necessary repairs will be made on a time and materials basis. Please write or call the factory for authorization before returning your unit for alignment or service. Address your requests for authorization to:

R. L. DRAKE COMPANY
540 Richard Street
Miamisburg, OH 45342
ATTN: Customer Service Department
Telephone: (Area Code 513) 866-3211
Telex: 288-017

Alignment

The RV-7 is very carefully aligned at the factory and should require no further adjustment. If a tracking error in the VFO is noted, the unit should be returned to the factory.

