



Advanced Covert Technology, Inc.

Specialists in Audio and Video Surveillance Equipment

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ACT Audio Repeater Information Sheet

Thank you for your order with Advanced Covert Technology. All Echo series of repeaters are frequency agile/user programmable from the panel without a computer; however, a general “input center frequency” and “output center frequency” selection must accompany any order.

The input center frequency is the center of the frequency area the repeater will listen to. It is usually identical to the frequency used by the body transmitter or transcoder.

The output center frequency is the center of the frequency area the repeater will re-transmit on at a higher power level. This frequency must be between 4.5 to 10 MHz separate from the input center frequency.

In order to comply with FCC (Federal Communications Commission) regulations, both MUST be in the following configuration, and MUST be between 150 to 174 MHz.

1_._.000 1_._.125 1_._.250 1_._.375 1_._.500 1_._.625 1_._.750 1_._.875

Examples only: (not to be constructed as actual frequency recommendations)

Input 154.9500 Output 159.9500 (Separation = 5 MHz)

Input 159.3625 Output 151.9875 (Separation = 7.375 MHz)

In many cases existing body wire system frequencies may be programmed into the Echo series. The Echo Repeater will then be programmable plus or minus 200 kHz (.2MHz) from these “center frequencies”, both transmit and receive. Up to 16 different frequency combination may then be stored in non-volatile memory.

It is important that the correct “center frequencies” be properly selected, as changing at a later date may require total rebuilding of the repeater with considerable expense. Please fill in the blanks below and return this form with the order, or to preserve confidentially, by separate mail, e-mail or fax. For help consult the radio shop for your agency or contact us at any time at 706-496-8275 or info@act-sales.com

Date: _____

Department Name: _____

RX (body wire frequency/input): _____ MHz

TX (repeater retransmit frequency/Output): _____ MHz

Signature: _____