Preliminary Users Manual

Electro-Voice Model REV-H Handheld Wireless Microphone Transmitter

The Electro-Voice (Ev) REV-H is a Professional Grade Wireless Handheld Transmitter operating in the UHF frequency range. The REV-H combines frequency agility and ease of use like no other. The transmitter operates within a 24 MHz wide segment in 25 KHz steps.

The high quality audio circuitry and advanced Radio Frequency (RF) signal processing offer broadcast quality signal-to-noise and audio clarity.

System features include:

- Durable Painted Metal Handle.
- Screw-on microphone elements for changeability.
- Permanent Flash Memory for frequency/setting storage.
- On-Loc prevents accidental power off (when set).
- LCD Display for ease of viewing.
- Internal top loaded monopole Antenna.

Quick set-up:

1. With the Power Switch on the transmitter OFF, install fresh batteries into the transmitter.

2. *To prevent feedback or unintentional noise, mute the audio mixer/amplifier or other device during set-up adjustments.*

   Place the transmitter Power Switch to the ON position.

3. The operating screen (display) light will come on momentarily. The display will current frequency group and channel and the battery level. Note: Anytime Power is removed and turned back on, the GP/CH/Bat screen will be displayed.

Quick set cont'd.

4. The screen will stop at the GP (Group) and CH (Channel) screen. If the Group and Channel match the desired receiver group and channel, Proceed to Step 9. If not, proceed to Step 5.

5. To select a different GP/CH, press SET one time. The Group will start flashing. Use the up and down arrows to change the group number. Press the SET button to save the Group.

   After setting the Group, The Channel number will start flashing . Use the up/down arrows to change the Channel number. Press SET and the channel is now saved.

   There are 10 Groups and up to 16 Channels (preferred groups/channels) stored in memory. If desired, you can create new groups/ channels but you must change to a new frequency to store in that group/channel.

   In order to select a new frequency, you must have a "users" group /channel selected. Press the SET button. The Group should be flashing. Press the Up arrow until a group ending with u is found (any u group can be used) Press SET. The Channel should now be flashing. Select a channel with the up/down arrow. Press SET.

   You are now ready to select a frequency to store in the users group above. Press and hold the set and down arrows at the same time for 3 seconds and release to go to the next screen function.

8. The next screen displays the operating frequency of the group/channel. If there is no frequency currently stored in the selected users group/channel, a dashed line will be shown. Press SET. The dashed line or frequency will start flashing. Press the up arrow one step at a time to find the desired frequency or hold down the up arrow to scroll through the frequencies quickly. The frequencies can be scrolled either way by the up/down buttons. When the desired frequency is showing, press SET.

Quick set cont'd.

9. Press and hold the set and down arrows at the same time for 3
    seconds and release to go to the next screen function.

    The next screen is the audio (microphone) level (attenuator)
    screen. Setting the level correctly depends on the microphone
    used and the person using the microphone. Setting the attenuator to
    "0"db is the same as setting a control to maximum gain.
    Setting the attenuator to –42 db is the same as setting a control to
    minimum gain. Each step of the attenuator equals 3 db.

    Setting the attenuator for the maximum Audio Meter reading on the
    receiver without peak distortion will produce the best signal to noise
    ratio.

10. The next screen is RF Power. The Transmit Power (RF) is shipped set to
    "Lo" for use with multiple frequency systems and the best battery life.
    "Hi power can be selected for longer distances or to suppress noise or
    interference. The nominal power in Hi is 50 milliwatts.

11. When power off is required, simply place the power Off-On switch in
    the OFF position. The display will then delay slightly to allow the
    receiver to shut down quietly.

REV-H Specifications:

RF Frequency range……………………776.0 to 800.0 MHz.
RF Channel Step………………………….. 25 KHz
RF Power………………………………Norm, 5 mW, High, 50 mW.
Modulation………………………….FM, 40 KHz nominal.
Audio Frequency Response……………80-15000 Hz +/- 2 dB.
Audio attenuator Range………………..42 dB.
Microphones, Electret or Dynamic…… Electret bias provided.
Antenna………………………………..Top Loaded Monopole
Battery Life (Alkaline)………………... 8-10 Hours Typical.

Approval Information:

The Telex/Ev REV-H Transmitter is Type Accepted under United States Federal Communications Commission Part 74.

The Telex/Ev REV-HP Transmitter is Certified to Industry Canada RSS123 rules.

Licensing of Telex/Ev equipment is the users responsibility and licensability depends upon the user's classification, user's application and frequency selected. Telex/Ev strongly urges the user to contact the appropriate telecommunications authority for any desired clarification.

CAUTION: Any changes or modifications made to the above equipment could void the user's authority to operate the equipment.