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**Introduction**

The R-10 is truly a revolutionary instrument. It combines the power of a full-featured receiver with a unique design that allows for unprecedented performance in a compact, portable package. With its intuitive interface and robust feature set, the R-10 offers a new level of performance for enthusiasts and professionals alike.

**Installation**

Installation is simple and straightforward. The R-10 comes with a user manual and all necessary cables and adapters. Follow the steps outlined in the manual to ensure a smooth setup. In most cases, a quick installation guide is provided to get you up and running in minutes.

**Specifications**

- **Frequency Range:** 30 to 1000 MHz, over 22 bands
- **Power Requirement:** 7.2 VDC 150 mA or less
- **Modulation:** AM, SSB, FM, LSB, USB
- **Sensitivity:** 1.5 mV at 1000 Hz
- **Battery Life:** More than 4 hours
- **Dimensions:** 10.5 x 6 x 1.5 inches

In conclusion, the R-10 is a game-changer in the world of radio communication. Its ability to perform under a variety of conditions makes it an ideal choice for anyone looking to take their radio experience to the next level.
Mobile Radio Testing

An important note should be added: When the deflection
overloads any signal, the displayed signal will be very strong
and clear. The display will not respond to other
signals.

If the volume control for the displayed signal is
above 50%, the display will be overloaded with
frequent bursts of the displayed signal for the
displayed signal is higher than the display.

If the volume control for the displayed
signal is above 50%, the display will be
overloaded with frequent bursts of
the displayed signal for the display.

With the selection of the R-100 Hertz
button, the each segment of the
operation.

Press the R-100 Hertz button in to reduce the
display sensitivity.

Operation of the R-100 button
only provides for control of
volume, speaker.

From panel controls and displays.

Operation
Lock on the new signal.

To lock on the new signal, first, press the "R-10" button on the receiver, then adjust the "G" control to find the signal. Once the signal is locked, press the "R-10" button on the transmitter, then adjust the "G" control to find the signal again. This process should be repeated until the signal is locked on both ends.

Communications Monitoring

Proprietary TNC-10 operation

This operation is similar to that described above. The TNC-10 is highly sophisticated and was designed to perform monitoring and control functions remotely. It is capable of transmitting and receiving data simultaneously, allowing for continuous monitoring of the communications channel.

Transmitter Finding

The R-10 feature is similar to that described above, with the exception of the "Transmitter" button. This button selects the "Transmitter" mode of operation, allowing the user to monitor the transmitted signal and adjust the "G" control to find the signal on the receiver.

Mobile Radio Testing

R10 with CT-800

This feature enables the user to test the mobile radio by transmitting a signal and receiving it back on the receiver. The user can then adjust the "G" control to find the signal on both ends.

Measure with T2000

This feature allows the user to measure various characteristics of the signal, such as the signal-to-noise ratio and the signal strength. It is particularly useful for troubleshooting radio systems.
Battery Charging

The R-10 uses a pack of Nickel Cadmium batteries. Dispose of the discharged battery pack properly and in a safe manner, especially at the end of its useful life. Consult the battery manufacturer's instructions before disposal.

Battery Capacity: By using the R10 for a period of more than 50% of the full capacity, the battery life is reduced.

Temperature: The battery pack operates properly when it is in the range of 15°F to 113°F. Below 15°F or above 113°F, the battery life is reduced.

If you should experience difficulty with your R-10, please contact your dealer or with the Customer Service Department.

Note: While operating the R-10, directly from an antenna, there is limited protection for use with the R-10. Therefore, a number of precautions should be observed, including:

- Keep the R-10 in its protective case when not in use.
- Do not expose the R-10 to direct sunlight.
- Keep the R-10 away from moisture and water.
- Keep the R-10 away from high temperatures.

Typical RX/IO Pick-up Distance

Communications Monitoring

To lock on to a signal, it is necessary to have the RX/IO immediately below the RX/IO. If this is impossible, the RX/IO button can be used to search for additional signals if several are of sufficient level.

The RX/10 depends on the operator's sensitivity to detect signals. The RX/10 is usable when there is a nearby signal with the RX/10 to the receiver, it is just barely heard and detected. The RX/10 is usable when there is a nearby signal with the RX/10 being heard and detected, and the RX/10 is usable at a somewhat lower level of coupling. Other signals may cause a false alarm and the RX/10 cannot be discerned.

Two-way radio, TV audio, and FM broadcast interference signals near some reception sites can sometimes cause the RX/10 to generate false signals.