



# RT8872 Transmitter Quick Guide



**Please inspect product carefully upon receipt.**

**Included:**

- RT8872 Transmitter
- Grounding Rod
- Transmitter Cable
- Batteries (already installed)

Refer to the RL8873 Quick Guide or the RL8873-RT8872 Manual for using this box with the Locator/Receiver

**Electric shock hazard:**

- Tool is designed to detect electromagnetic field emitted from Camera Sondes and buried metallic utilities. There are buried cables, pipes, and utilities this instrument CANNOT detect.
- LOCATING is not an exact science. The only certain way to be sure of the existence, location, or depth of buried utilities is to carefully expose (dig up) the utility.
- De-energize any circuits in or around the work area.
- Do not expose tool to rain or moisture.
- Use tool only for intended purpose as described in this manual. Failure to observe these warnings could result in severe injury or death.

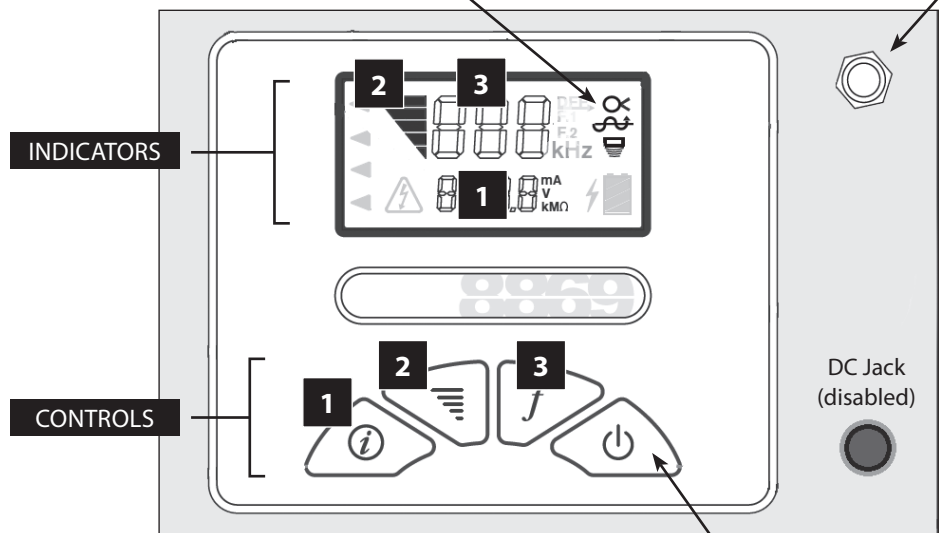
## Prepare for Use

When you unpack your RT8872 Transmitter, make sure there is no shipping damage. The RT8872 comes with "C" batteries already installed. If you need to change the batteries, the compartment is located on the back of the Transmitter.

## RT8872 Transmitter Indicators and Controls

**Load Rate Indicator** Indicator symbol flashes to indicate signal transmission via coupler induction or direct connection.

**Transmitter Output Jack** The Red/Black Cord, Coupler and Flexicoupler connects here to create a direct connect or coupler inductive circuit on the buried utility.



**1**  
**Relative Resistance, Voltage and Current**  
 The transmitter can display the resistance, voltage and amperage of the transmitted frequency.

NOTE: This is a relative measurement based on the feedback from the transmitted signal.

**2**  
**Output Signal Level**  
 Adjusts the power output from the Transmitter.

**3**  
**Frequency**  
 Selects frequencies by toggling through available frequencies. 8kHz, 65Hz, 200 Hz, 480Hz, 33kHz & 82kHz are standard on the 8872.

**Transmitter Power ON/OFF**  
Frequency and other LCD segments visible indicates unit is on.

052317

**Manufacturers of Quality Sewer & Drain Cleaning Equipment since 1957**

**www.MyTana.com**

746 Selby Ave • St. Paul MN, 55104  
fax: 651.222.1739

**1.800.328.8170**

**Factory Direct Customer Service**  
M-F 7am - 5pm CST  
Competent • Polite • Clear

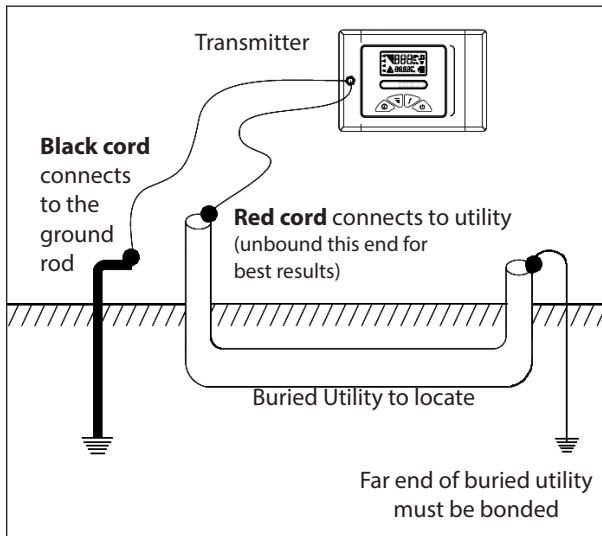
## CAUTION



Do not connect to live or energized power cables



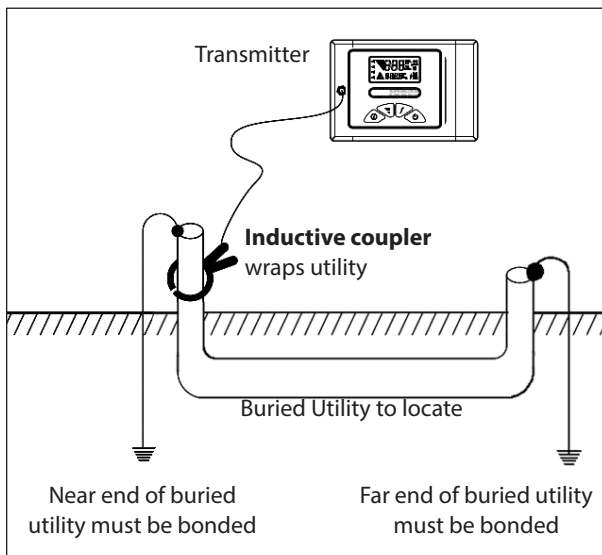
Always turn transmitter OFF before connecting and disconnecting test leads



## Direct Connection

Direct Connection is the most reliable method of signal application. This method is relatively free of interference. The greatest amount of signal strength can be achieved by this method. All frequencies may be used. The far end of the utility must be grounded.

- Connect the **Red Test Cord** to an existing ground point or an exposed metallic section of the utility.
- Place the **Ground Rod** approximately 10 feet from this point, at an angle of 90° to the buried cable or pipe.
- Push the **Ground Rod** into the ground 8 to 10 inches.
- Connect the Black Test Cord to the Ground Rod.
- Plug the Red/Black Test Cord into the **Transmitter Output Jack**.
- Select **Frequency**. The Power Output Indicator, Load Rate Indicator and the Frequency will be displayed.



## Flexicoupler Connection

The optional **Flexicoupler** and **Hard Coupler** are very easy to use, and services do not have to be interrupted. The operation range is shorter than for Direct Connection methods. The tracing signal can be affected by neighboring cables and pipes. The Red/Black Test Cord or the Ground Rod are not needed for this method.

- ▶ Successful coupler operation requires an insulated conductor that is grounded on both near and far ends.
  - Loop the **Flexicoupler** around the cable and connect the two ends, or clamp the **Hard Coupler** around the cable.
- It is important** to connect the coupler around the cable needing to be traced. Connect the coupler around the wire closer to the outgoing cable not near the system ground. The result will be a stronger signal. By connecting near the grounding, the range will also be shorter, and difficulty may arise determining one cable from another.
- Plug the Coupler Test Cord into the **Transmitter Output Jack**. Always select the frequency designated by the coupler. The most common is the 82 kHz FREQUENCY, but coupler are available in multiple frequencies.

## Factory Service

If your RL8872 Transmitter is not working properly, call **MyTana Support** at 651-222-1738 for assistance. If the transmitter is in need of repair, MyTana will provide instructions and a Return Goods Authorization (RGA) for returning the Transmitter to the service center.

RMA:

Send it prepaid to:

MYTANA  
Attn: Repair (include RGA #)  
746 Selby Ave  
St. Paul, MN 55104

Note: There is a minimum charge for repair and handling.

## Transmitter Specs

Operating Frequency	82 kHz • 33kHz • 8 kHz • 815 Hz
Operating Temperature	-4°F to 133° (-20°C to +55°C)
Hook-up Method	Direct Connection
	Inductive Coupling (with optional coupler)
	Transmitter Induction
Load Matching	automatic from 5 Ω to 2000 Ω
Output Power	1 Watt (High) 500 Milliwatts (Low)
Battery Types	8 - "C" Duracell alkaline batteries
Battery Life	greater than 30 hours*
Dimensions	8.4" x 5.57" x 2.6"
Weight	2.2 lbs (2.8kg)

\*depending on load, frequency and power setting