



P.O. Box 670, 101 Park Central Mineola, TX 75773  
903-569-9700 Fax 903-569-9696

# **Net Radio**

## **Users' Guide**

### **Overview**

This document is intended to guide the user /installer through the Proper set up and field installation of the Net Radio. NOTE: failure to strictly adhere to this guide could result in voiding all warranties.

### **Warning**

This equipment complies with Part 15 of the FCC Rules. Any changes or modifications not expressly approved in writing by the Manufacturer could void the users' authority to operate this Equipment. This device uses RF energy. No modification should be made to increase the transmitted rf energy from this device.

### **Scope**

This document covers the E.R. series of radio transceivers by Metre-Pro Technologies, Inc.

### **Training**

Metre-Pro offers an instructor led training program for those involved in the use, sales, installation or marketing of the full Line of Metre-Pro products and services. Contact your distributor or account manager for more details.

### **Enhancements and Design changes**

Metre-Pro is continually improving and enhancing its products and services. We reserve the right to make product, services and Specification changes without notice.

### **Product Description**

The E.R. series of Metre-Pro Technologies radio transceivers were specifically designed for automated meter reading applications providing low cost and high reliability solutions.

The E.R. series wireless link is the stationary device used to collect and store meter or other data. Then transmit that data a separate receiver station. Contact your account manager or distributor regarding receiver station options.

## Data Source Diversity

The E.R. series of transceivers were designed to accept data from variety of sources. NOTE: Due to the variety of data sources which may be applied to the E.R. series of wireless links, strict adherence to installation procedures is required or all warranties will be null and void. Connect these devices only to those permitted in written Instructions provided exclusively by Metre-Pro Technologies.

## Performance

The performance of any radio frequency device is subject to many factors. Some of these factors are, other R.F. sources, soil, soil moisture, water, buildings, metal objects, and even weather.

The E.R. devices employ the best designs and best technology to optimize the performance, however, in any given situation actual performance can vary.

Consult Metre-Pro Technologies if performance issues occur.

## Configuration

The E.R. devices may be supplied in multiple configurations:

### Attached

The E.R. device is attached to the data source (meters etc.) at the factory.

### Unattached

The E.R. device is supplied with an exposed cable, length can vary as ordered, to which to which the data source can be connected

In the field. See connection specifics.

#### Pit Mounted

The E.R. device is supplied with a mounting Stake.

#### Wall Mounted

The E.R. device is supplied with mounting Feet which allows attaching the device to Walls, etc.

## Connections

Strict observance of the connection scheme is required  
For proper operation.

Each exposed cable on the E.R. devices contain three Conductors.

The conductors are color coded as follows: Red  
Green  
Black

For data connections: Red is clock out  
Green is data in  
Black is ground

For switch connections, piezo or  
Reed switches:: Black – switch negative  
Red – switch positive

Consult the factory for the latest updated listing of  
Approved data sources and approved switches.

#### Field Connections

After determining the intended data source or  
Switch meets factory approval, connecting the device  
Should proceed as follows:

1. See and use the appropriate Installation  
Advisory Installation Advisories will  
Be added or changed as connectable  
Products evolve..
2. The user/installer is responsible for  
Their own safety. When using tools  
Or equipment proper protection and  
Clothing should be used. It is the  
User/installer's responsibility to assure  
The work area is safe..

#### General

This product is not field repairable.. In the event  
Of a failure, contact your distributor or account  
Manager for assistance in returning product and  
Getting replacements. Metre-Pro liability is limited  
Solely to the replacement of the device and excludes  
Labor and other costs. The purchase of this product  
Implies an agreement to all the above restrictions,  
Guides and terms.

END