READ ME FIRST!

Tinytag Radio

Ethernet Receiver Quick Start Guide

Tinytag

Gemini DATA LOGGERS

Warnings

- This is a Class A product. In a domestic environment this product may cause interference in which case the user may be required to take adequate measures.
- This logger must be used in accordance with the information provided in this manual.
- This equipment contains alkaline batteries. Do not cut open, incinerate, recharge or expose to temperatures in excess of 55°C (131°F). Danger of explosion if the battery is incorrectly fitted.
- The batteries should only be replaced with the battery type specified in the product's data sheet, observing the correct polarity.
- This equipment should only be connected to the inputs specified on its product data sheet.
- This equipment should be used within the temperature range and other environmental conditions specified in this manual.

Introduction

About This Guide

The information in this quick start guide, in conjunction with the Tinytag Radio Quick Start Guide, describes how to install and set up a Tinytag Plus Radio Ethernet Receiver.

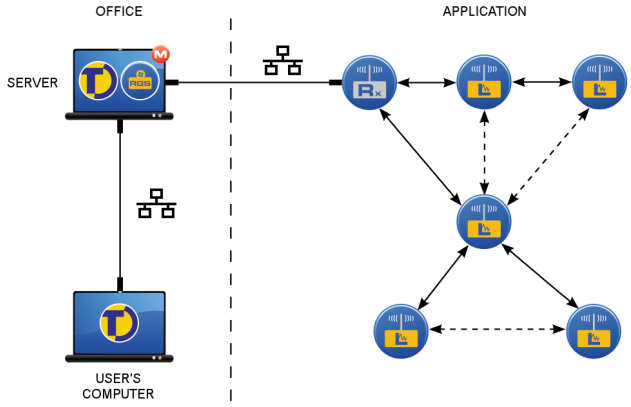
This guide describes the order items should be installed in, focusing on the Ethernet part of the product, whilst referring back to the Tinytag Radio Quick Start Guide for more general information.

Further information on the radio system can be found in the Tinytag Radio Technical Manual and, once installed, in the Tinytag Explorer software's Help file.

About This Receiver

This receiver is designed to be used as part of a Tinytag Radio system. It connects the data loggers recording the data to the Master Gateway program that runs the system.

Every radio system needs to have a Master Gateway and this receiver connects to it across a LAN, meaning a computer is not required where the actual logging is taking place.



As the computer running the Master Gateway should ideally be left running 24/7, it is recommended that it should be installed on a server rather than a standalone computer (see page 5, option 2 of the technical manual for further information). It is also recommended that the driver software for the receiver should be installed on the same computer.

It is also possible to connect this receiver to a Master Gateway using a Slave Gateway, in which case the computer running the Slave Gateway should also be left running 24/7.

Users can work with the system from their own PC using a radio enabled copy of Tinytag Explorer.

Further details on Gateway configurations can be found in the Radio Technical Manual.

What You Need

To use a Tinytag Plus Radio Ethernet receiver, you will require the following items:

Supplied

1 x ACSRF-4040 Tinytag Radio Ethernet receiver
1 x SWCD-0080 Tinytag Explorer Radio software (version 4.11, or above)
1 x Tinytag Explorer radio activation code
1 x ACS-0044 Power over Ethernet (PoE) Adaptor
1 x Waterproof RJ45 shroud
One or more radio data loggers (with probes as appropriate)
1 x Tinytag Radio Quick Start

Not Supplied

1 x LAN network point
1 x Mains socket
2 x Ethernet cables

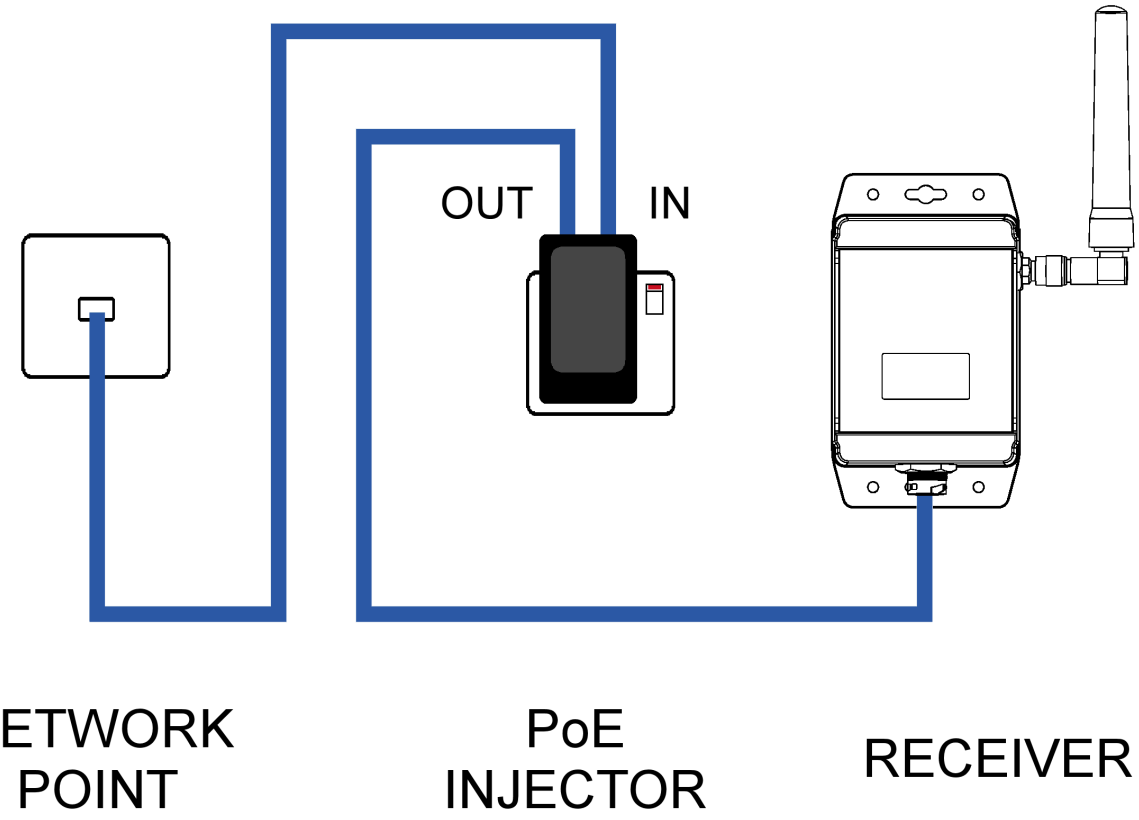
Minimum version of Tinytag Explorer

To use this Ethernet receiver, you will need to have Tinytag Explorer version 4.11 (or above) installed. If you are not running a compatible version of the software, you can download a copy from:

www.tinytag.info/support

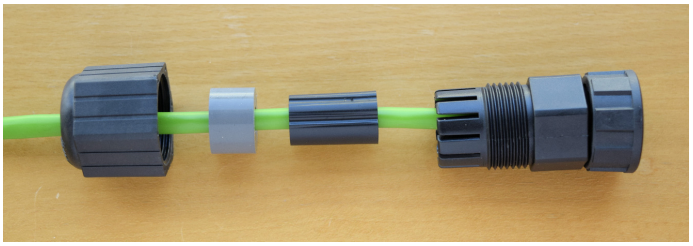
Installation - Hardware Setup

The Tinytag Radio Ethernet receiver is a Power over Ethernet (PoE) device. A PoE plug-in adaptor is supplied, and the receiver should be connected up using Ethernet cables (not supplied) as shown below:



If the receiver is being used in a location where moisture or dust is present, the supplied waterproof RJ45 shroud should be fitted over the Ethernet connection.

To fit this, thread the Ethernet cable through the shroud, plug the cable into the receiver and then screw the shroud into the receiver.

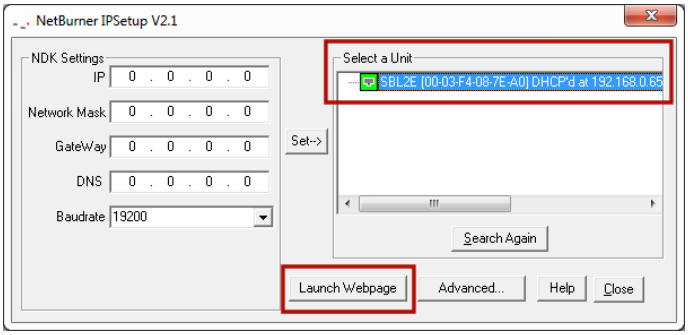


Instructions for the orientation of the receiver can be found in the Tinytag Radio Quick Start Guide.

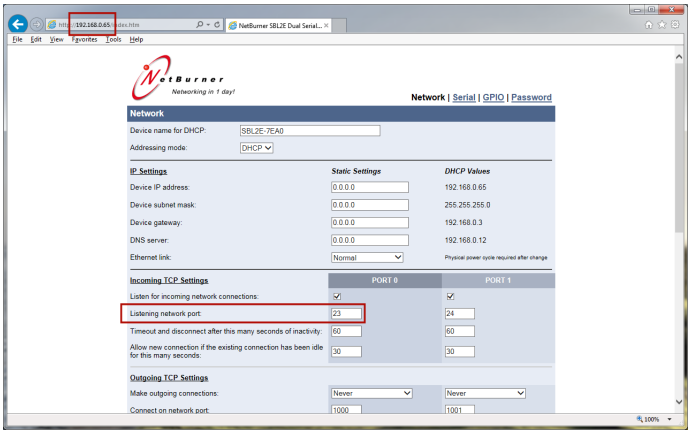
Installation - Software Setup

To install a Tinytag Plus Radio Ethernet Receiver:

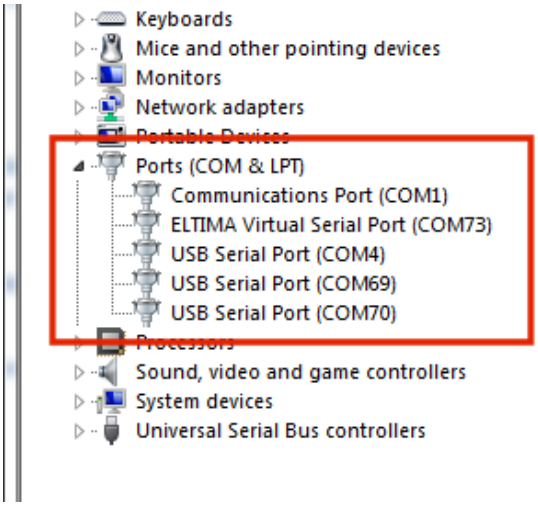
- On the computer that will run the Master Gateway, install and activate the Tinytag Explorer software, as described on pages 2 & 3 of the Tinytag Radio Quick Start Guide
- Browse the Tinytag Explorer CD and locate the LAN folder
- Run the program **VirtualCommPort.exe** and follow the instructions in the on-screen prompts
- Run the program **IPsetup.exe**. The receiver should list in the **Select a Unit** section.



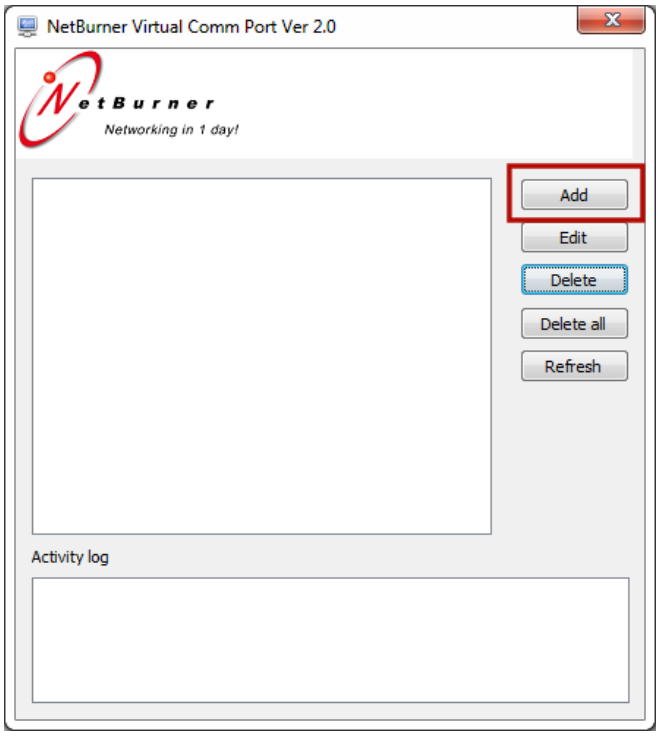
- Highlight the unit and click on the **Launch Webpage** button.
- Make a note of the IP address of the device (from the URL of the web page).



- Make a note of the **Listening network port** number for **PORT 0.**
- Check the number of the next free COM port on the computer in the **Ports (COM & LPT)** section of its Device Manager (if in doubt, check this with your IT support).

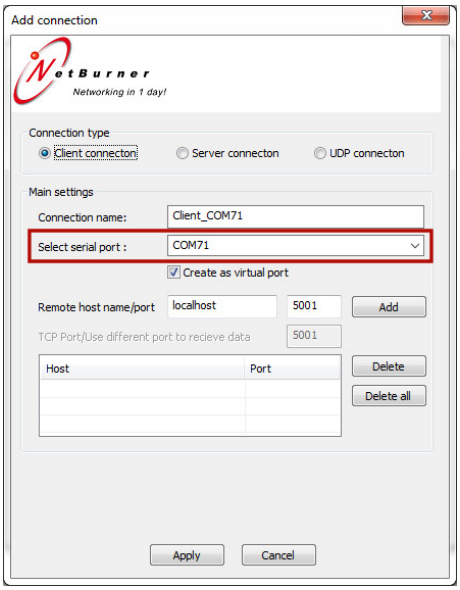


- Run the Virtual Comm Port software and click **Add.**

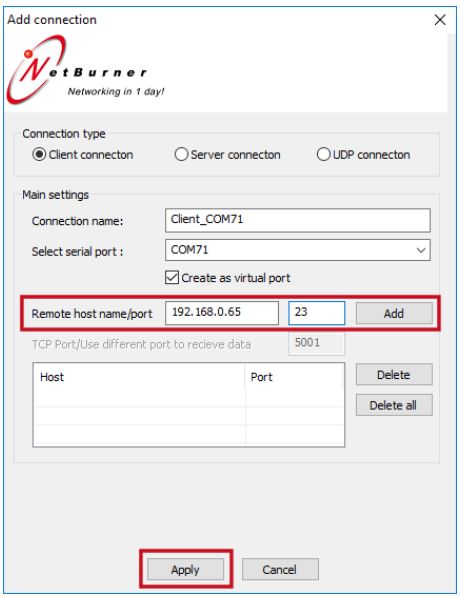


Installation - Software Setup

- Select the COM port number determined in step 6 above from the drop-down **Select serial port** menu.



- In the Remote host name/port fields type the IP address of the Ethernet device (determined in step 4) and the Listening network port number (determined in step 5) and click **Add** and **Apply**. The receiver is now ready to use.



- Follow the Software Setup instructions from page 4 of the Tinytag Radio Quick Start Guide to complete the installation of the system.

Useful & Further Information

Useful Information

The Tinytag Radio Technical manual gives more in-depth information on how the system works.

This has been written for USB receivers that are plugged directly into the computer running a Master or Slave Gateway.

When using an Ethernet receiver, the connection to the computer running the Master Gateway is via a LAN connection rather than USB.

Otherwise, the information in the technical manual is the same for both types of receiver.

Further Information

Further information on Tinytag products, including data sheets and manuals, can be found on our web site at:

www.tinytag.info

If you should have any further questions, please contact your distributor or:

Gemini Technical Support

t: +44 (0)1243 813009
e: help@tinytag.info

Warranty & Approvals

Warranty

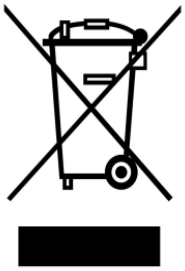
This product carries a manufacturing defects warranty of 12 months from the date of purchase. Units returned under warranty will be repaired or replaced at the manufacturer's discretion. This warranty does not cover mishandling, modification or battery replacement and is subject to the standard Terms and Conditions of Sale, a copy of which can be found at www.tinytag.info.

The equipment/goods are sold "as is" and with "all faults". Claims under warranty should be referred to the point of sale.

Disposal

Data loggers, accessories and batteries should be disposed of at organised facilities, where available, in compliance with local regulations.

In accordance with the WEEE directive Gemini Data Loggers (UK) Ltd. will take back and dispose of any equipment purchased directly. Equipment not purchased directly should be returned to the point of sale for disposal.



Approvals

Gemini Data Loggers (UK) Limited hereby declares that this radio data logger is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the declaration of conformity is available upon request.

The radio system also complies with EN 300 220:V2.4.1 2012-05 and
EN 301 489-3 (-A EU version) and AS/NZS 4268:2012 (-B AUS version).

This receiver also conforms to the following EMC standards:
EN 55032:2012; EN 61326-1:2013 Table 1;
EN 301 489-1:V1.9.2 &
EN 301 489-3:V1.6.1:2002.

This receiver also complies with (RJ45) 10/100Mb Base-T for Ethernet connectivity and PoE standard IEEE 802.3af.

Gemini Data Loggers (UK) Ltd. operates a Business Management System which conforms to ISO 9001 and ISO 14001.

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Gemini Data Loggers (UK) Ltd.
Scientific House, Terminus Road,
Chichester, West Sussex,
PO19 8UJ England.
www.tinytag.info

t: +44 (0)1243 813000
e: sales@tinytag.info

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