

# NTS 03-E QUICK START GUIDE



## QUICK SETUP

1. Install antenna in a location visible to the sky; connect to lightning arrestor (Optional)
2. Install the NTS 03-E in the desired location and connect to the antenna
3. Connect the NTS 03-E to the network switch
4. Connect to power, ensuring correct voltage is used
5. When running the NTS 03-E for the first time, Time, Output, Network, and Security settings can be configured by running the Configuration Tool software on any PC on the same network as the NTS 03-E. See Configuration Tool Tips and Networking Tips for more help
6. Once the NTS 03-E is fully setup, connect the Ethernet adapters to your network as desired


## NETWORKING TIPS

- If the NTS 03-E does not appear when you press **Discover** in the Configuration Tool, either connect the NTS 03-E directly using a cross-over Ethernet cable, or alternatively download and install the driver from Tekron.com to connect your NTS 03-E using a USB cable
- If using DHCP: before powering up ensure the NTS 03-E is connected to the network
- Ensure your firewall(s) has UDP exceptions for the configuration program and ports 9992, 9997 & 9999
- Ensure you have administrative rights on your PC

## DEVICE CONNECTION TIPS

- Where connecting external devices to P2 and/or P3 twisted pair cable is recommended

## CONFIGURATION TOOL TIPS

- The Configuration Tool software is available from [www.tekron.com](http://www.tekron.com)
- To connect to your NTS 03-E: press the **Discover** button, then select the NTS 03-E from the list, then press the **Configure** button  
Default login is – **User Name:** admin,  
**Password:** Password\*
- A new password can be set by pressing the  button
- In most cases, set the “Cable Delay” to 4ns for every meter of antenna cable, and the “Mask Angle” to 5 degrees. This can be set on the GPS tab
- The connection settings for each Ethernet adapter can be set on the Network Tab. On this tab you can also set your desired PTP & NTP settings

**\*Warning:** Please ensure that you record your password and store it in a secure manner. In accordance with Cyber Security “best practice”, if the administrative passwords are lost, the device must be sent back to the manufacture to recover the password



Rear Panel – Inputs & Outputs

