

T24-HK-S Quick Start Guide

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T24-HK-S

Handheld Display – T24

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Please note, this is a draft document, designed for use with a beta version of the product. Some features are not yet available and are marked with a red highlight.

Introduction/overview

The T24-HK-S is an IP67 rated, intuitive handheld display for use with all Mantracourt T24 transmitters. Out of the box it comes in a roaming mode. It will display data from the first twelve T24 transmitters that it receives.

Alternately, up to twelve inputs can be defined, with different settings such as overload and calibrated units applied to each one.

Setup can be achieved using just the handheld, including pulling transmitters to the same radio settings. More complex setup can be achieved using the toolkit software and a USB connection.

Out of the box, some functionality is hidden for simplicity but it is possible to unlock all of the menu system using the default password or the toolkit.

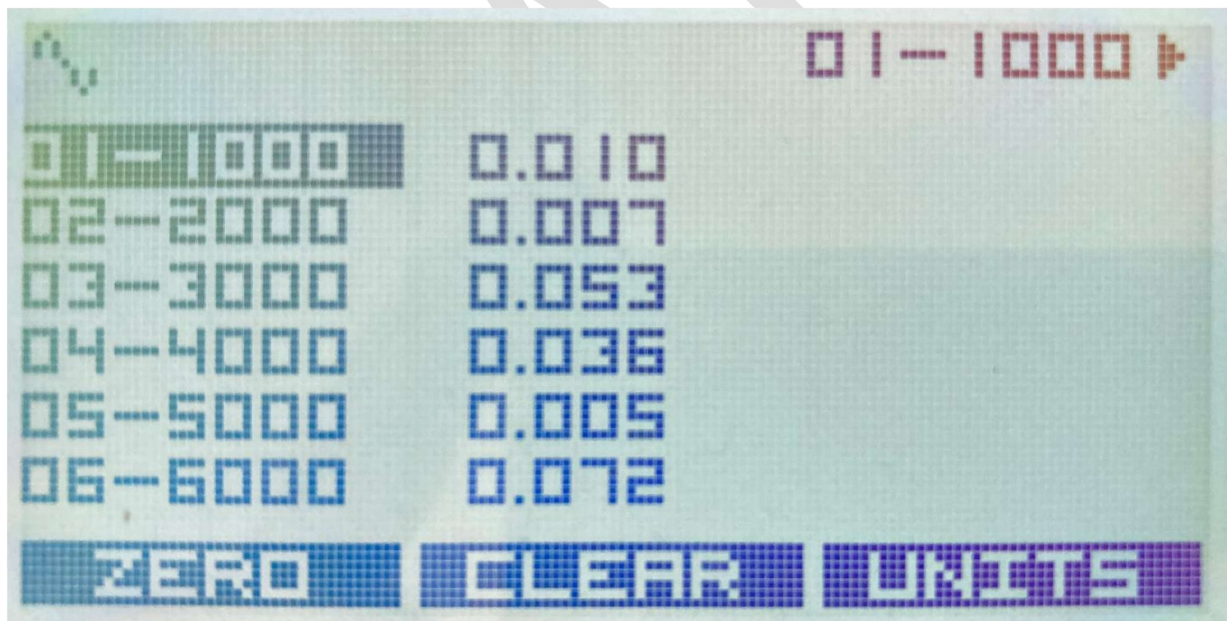
It is possible to apply mathematical functions to the defined inputs, allowing sums and differences etc to be calculated.

Alternate displays can be loaded from the toolkit to customize the interface.

Operating modes

Roaming

Out of the box, the T24-HK-S is in roaming mode. Here it **Lists** the data from the first twelve T24 transmitters that it detects.



It is possible to scroll up and down through the list with the up and down keys and then move to a **Detail** display with the right arrow key.



The user can also scroll up and down through the available transmitters in the detail display. The detail display allows a zero (tare) to be applied to that input channel and also shows the maximum and minimum values that have been seen for that channel.

A further press of the right arrow key will take the user to the **Signal Strength** detail of the displayed transmitter.



The left arrow will then bring you back through the displays.

Back on the list display there is a softkey that will clear the list (and any zeros or minimum or maximum values). This can allow the user to view other transmitters.

Defined inputs

If the user knows what the transmitters are for a given system, then the inputs can be defined. Up to twelve inputs can be defined, each with different measurement units and alarm settings. The input can also be named for easy identification.

Defined inputs use the same set of displays as roaming does: List, Detail and Signal Strength (see above).

Mathematical Functions

Once the inputs have been defined then there are twelve(?) sets of mathematical functions that can be setup using those inputs. These can be sums, differences or multipliers. These use an additional set of displays accessible to the left of the main list display.

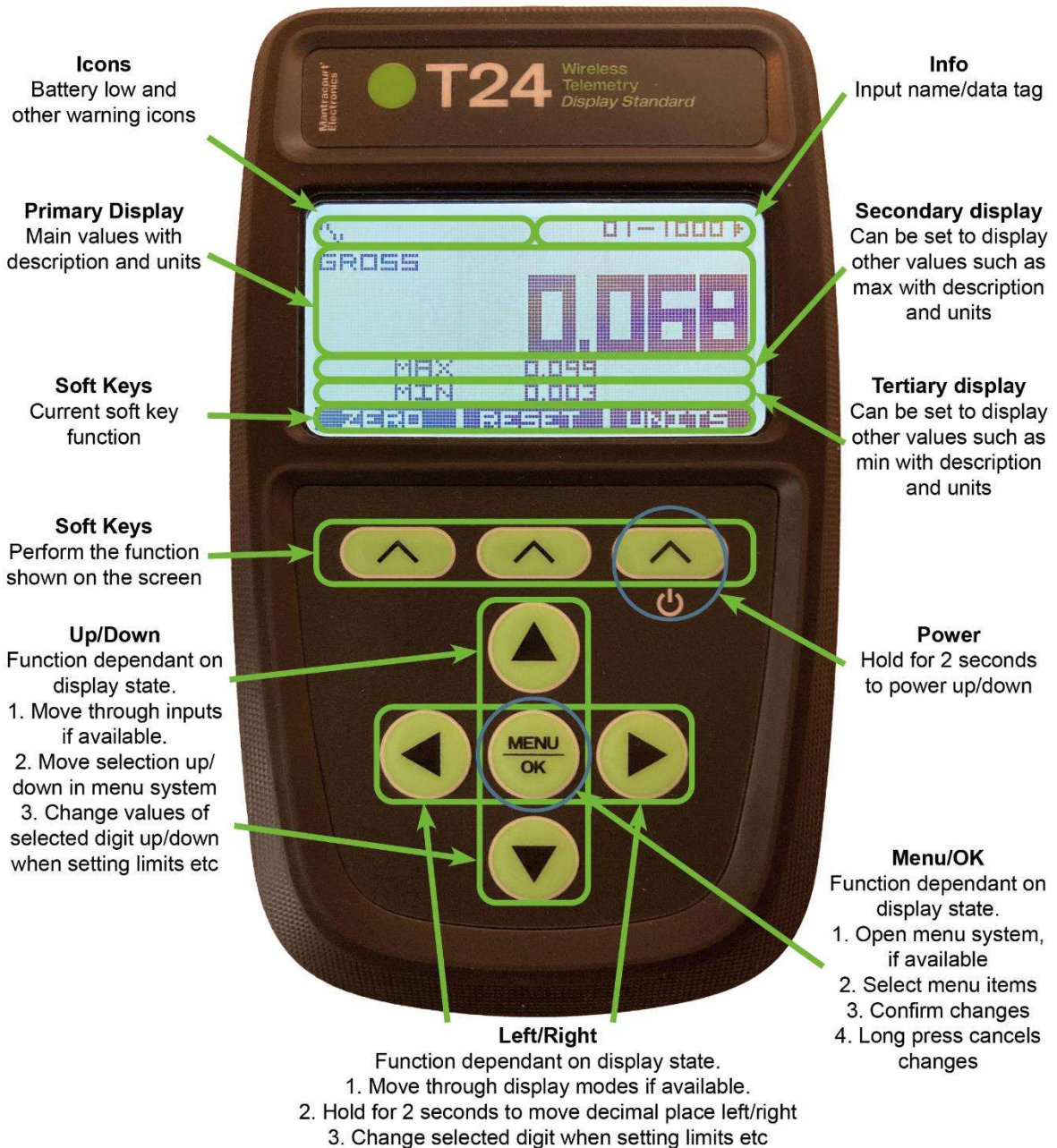
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Getting started

This document is designed to give a very quick overview of the T24-HK-S and its general, standard functionality. For more details, see the full manual.

Hardware overview

Front



Back



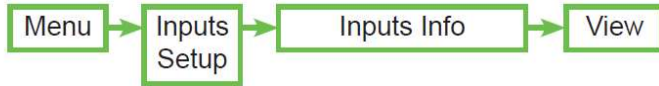
Setting up without the Toolkit

Quick, limited setup is possible using just the handheld and no toolkit. To access all the configuration features, you will need to use the toolkit.

To access the menu system, press the Menu/OK button in the middle of the keypad. Move up and down in the menus with the up and down keys. Select the next menu using the Menu/OK button.

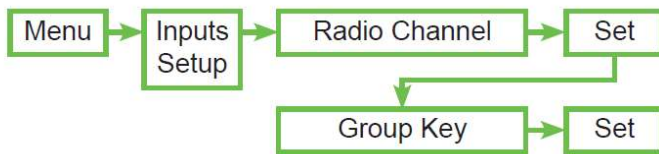
Check Inputs

To check the defined or detected inputs list use the following steps.



Check/Change Radio Settings

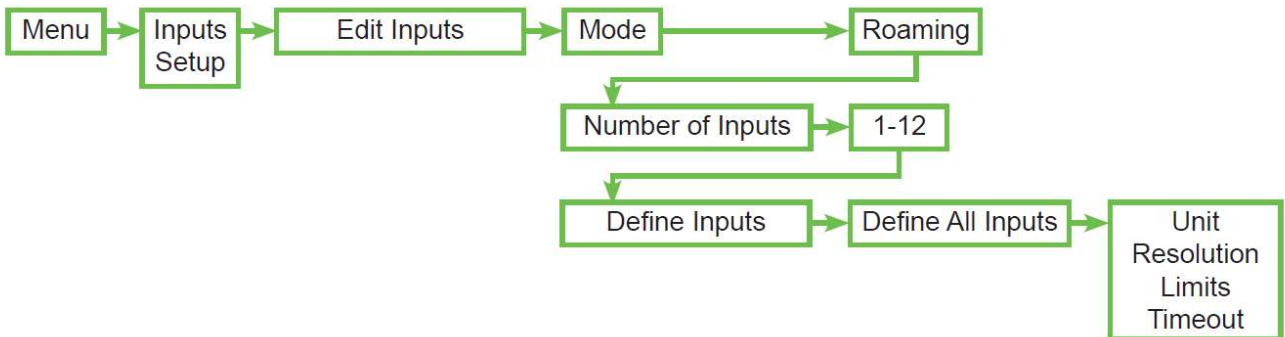
To check or change the handheld's radio settings use the following steps.



Remember that you may lose communication with any T24 transmitters that you were viewing until their radio settings match the handheld.

Roaming Settings

To check or change the roaming settings use the following steps.



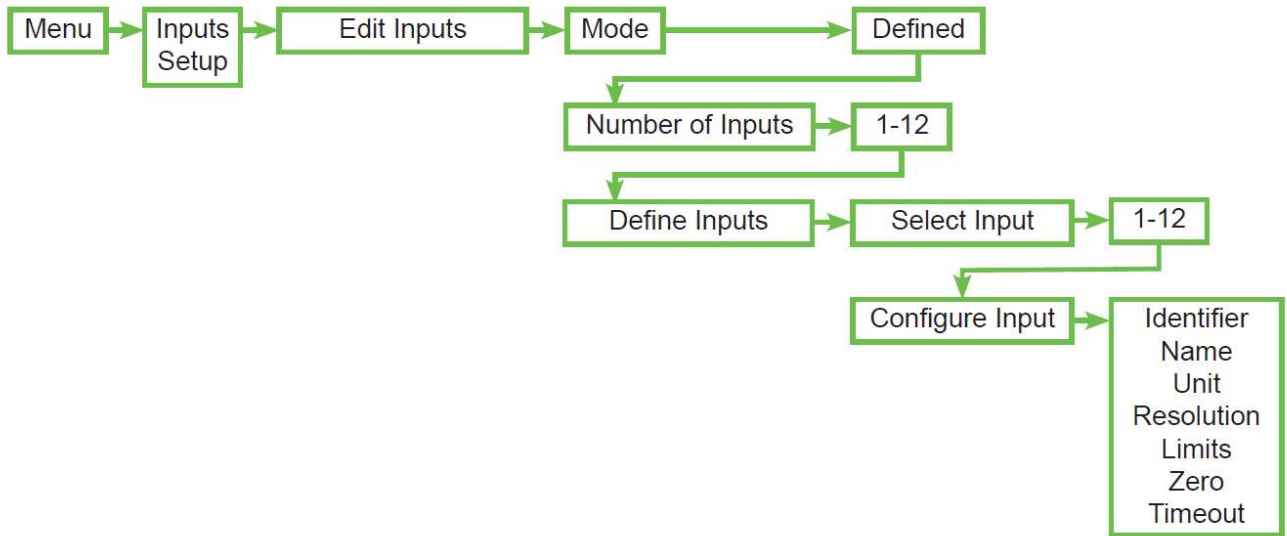
Roaming has a limited amount of settings available as you could be looking at any T24 transmitter.

Number of inputs sets the list size.

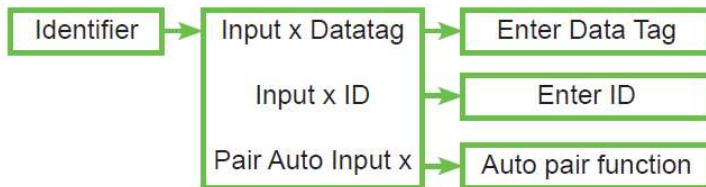
Define all inputs allows you to assign global settings to all inputs.

Defined Input Settings

To check or change the defined input settings use the following steps.



This is similar to roaming mode but data tags must be assigned to all inputs required in the Identifier section.

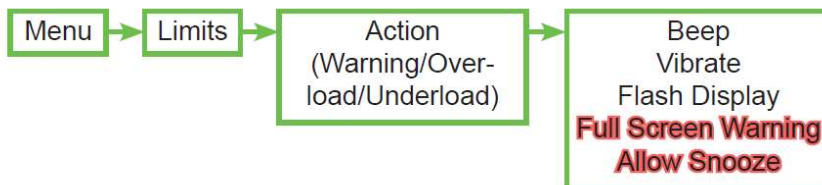


It is possible to auto populate the datatag and ID for the input using the Pair Auto function. Activate this and apply power to the target transmitter. The data tag and ID will be set and the transmitter will now be on the same radio settings as the handheld. (

Additionally, it is possible to have different settings such as overload for each channel.

Limit Settings

To check or change the limit settings use the following steps.

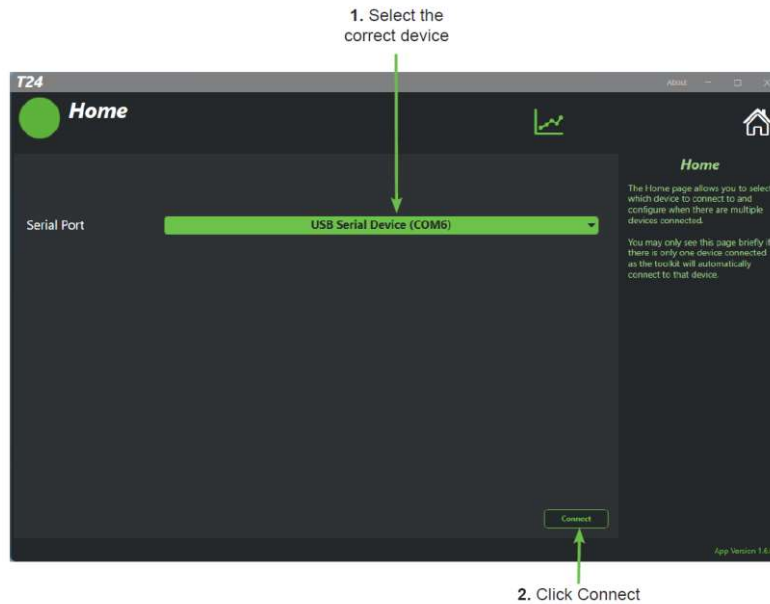


It is possible to set different actions for different limit situations. If any of the inputs has one of these errors, the selected action(s) will occur.

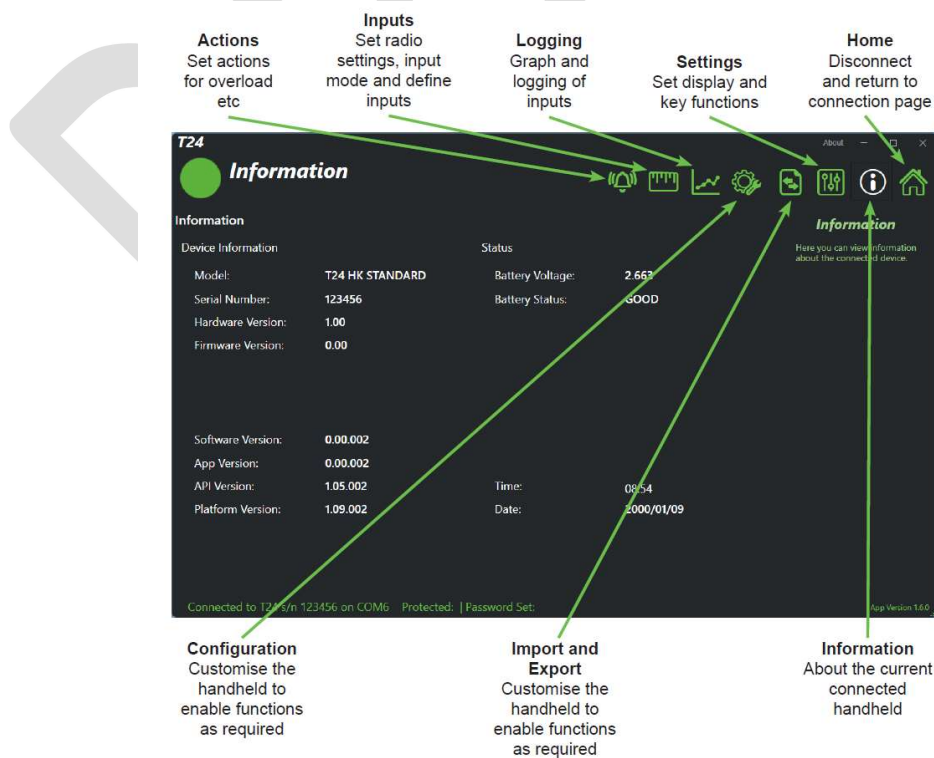
Toolkit

Toolkit overview

More complex setup is possible using the supplied toolkit software.
Install the toolkit onto your windows PC and connect the USB to the T24-HK-S.
Then open the toolkit:



If only one T24-HK-S is connected then the toolkit will connect automatically.
Navigation is achieved using the icons along the top of the toolkit.



For further information, please see the [T24-HK-S User Manual](#).

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In the interests of continued product development, Mantracourt Electronics Limited reserves the right to alter product specifications without prior notice.



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