Scan'n'Temp™ User Guide

Scan'n'Temp™ is a handheld HACCP device that wirelessly measures and logs temperatures of food. The built-in scanner enables easy product selection and identification.

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990095, Scan and Temp™

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To get you scanning fast!

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1.1. Power up and Joystick

The Scan'n'Temp™ is powered by a rechargeable battery. Press center of the joystick to wake up the unit.

To charge the Scan'n'Temp™, plug the charger into the charging port (Fig. 1). Refer to Figure 2 for the functionality of the Scan'n'Temp™ joystick.

Charging Port

Figure 1: Back view of Scan'n'Temp™.

Joystick

Up
Select (push)
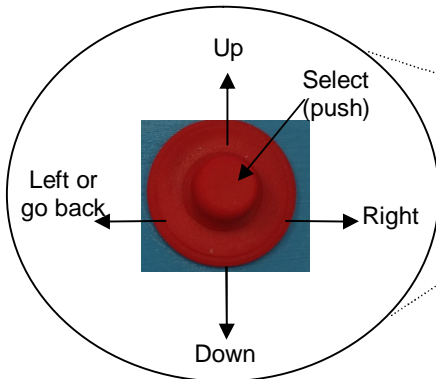Left or go back
Right
Down

Figure 2: Scan'n'Temp™ Joystick

1.2. Sign In and Station Select

1.2.1 Sign In

When the unit is powered up or when logged out, the unit shows the **Sign In** screen (Fig. 3). To begin, touch **Sign In** using the touch screen or press the center button on the joystick to select.

Never use a pen, pencil or any sharp object on the graphic display screen.

Figure 3: Home/Main Menu

To login, after touching/selecting **Sign In,** select your user name on the next screen (Fig. 4). For administrators, click on the **Administrator** button and enter the password 9999.

1.2.2. Station Selection

After you have signed in, you may be directed to the **Station Select** screen (Fig. 5). The **Station Selection option** can be turned on or off by going into the **Station Select** section under **System Settings** (see section 2.5.1.).

On this screen, choose the station(s) that you would like to take temperatures for. Simply touch the desired station button, or use the arrows to highlight or unhighlight a selected station.

Figure 4: Sign In

Figure 5: Station Select

Touch/select **Enter** to select the station(s).

1.3. Initialize Radio

The Scan'n'Temp™ can download the current date and time, the CCP schedule and the user lists from, and upload recorded data to, the ICC website via a gateway. The gateway can be either a Temp Minder™ or an iPrint™. Follow the steps below to ensure the Scan'n'Temp™ radio and the gateway radio are configured properly to allow for communication.

Radio setup for Scan'n'Temp™

1. Go to **Settings → Admin Settings → Init Radio** to enter the *Set up Radio* screen (Fig 6).

2. Choose *Set Gateway NodeID* (Fig. 7) to enter the gateway using the numeric touchpad and press accept when finished. *The Gateway ID can be set to any number between 10 and 90 in intervals of ten (i.e. 10,20,30....etc.)* The Gateway ID **MUST MATCH** the Node ID into the Temp Minder™ or iPrint™.
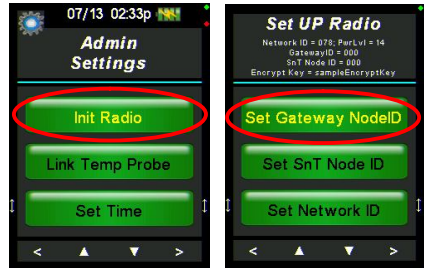
Figures 6 & 7: Clicking Init Radio brings you to Set UP Radio

3. Choose *Set SnT Node ID* to enter the SnT ID using the numeric touchpad and press accept when finished - *If the Gateway ID is set to 10 the SnT ID can be set to any number between 11-19. Similarly, if the Gateway ID is set to 20 the SnT ID can be set to any number between 21 and 29.* **NO MORE** than nine Scan'n'Temp™ units can be connected to a single gateway.

Note: Screen Navigation

The up and down arrows at the bottom of the screen indicate that there are more menu options available.

| < | ▲ | ▼ | > |

Previous screen   *Home screen*

Move down   *Move up*

Use the joystick or touch the arrows to navigate among the options, return to the previous screen or to the home screen.
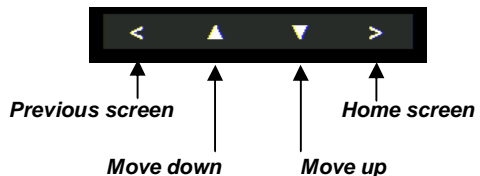
Radio setup for iPrint™

1. Login to the iPrint**™** as *Administrator*.

2. Press the blue *Home* bar across the top of the screen.

3. Press *System Settings*.

4. Press *Control Options.*

5. Press and hold *Scanner* for 3-5 seconds then release.

6. Press *Init* Enter the NODE ID using the numeric touchpad that appears on the iPrint™ display.

The NODE ID can be set to any number between 10 and 90 in intervals of ten (i.e. 10,20,30....etc.) The NODE ID **MUST MATCH** the Gateway ID that was entered into the Scan'n'Temp™.

Figure 8:
iPrint™ Radio Set Up

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Radio setup for Temp Minder™

1. Press *Menu* on the touchpad.

2. Press *System Adjust* using the touch screen.

3. Press *ICC Radio Setup*.

4. Press *Init* - Enter the **NODE ID** using the numeric touchpad that appears on the Temp Minder™ display. *The NODE ID can be set to any number between 10 and 90 in intervals of ten (i.e. 10,20,30....etc.)* The NODE ID **MUST MATCH** the Gateway ID that was entered into the Scan'n'Temp™.
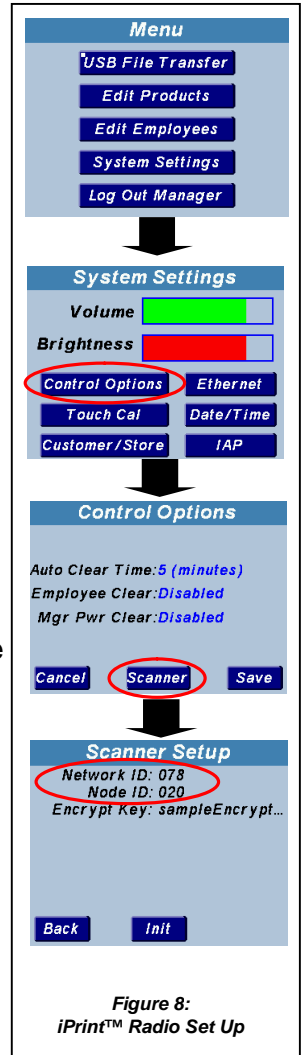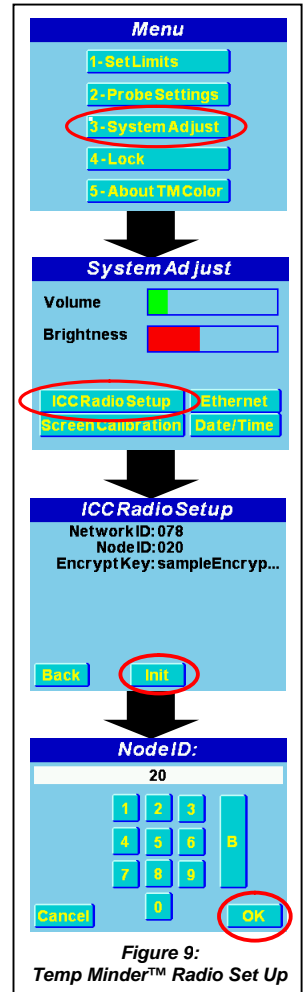
5. Press *OK* to save. - The screen will go through an "initializing" process then return to ICC Radio Setup.

6. Press *Menu*.

7. Press *List* to return home.

Figure 9:
Temp Minder™ Radio Set Up

The last ID to setup is the **SnT Node ID**. This ID is your device's unique ID. Every Scan'n'Temp™ device should have its own SnT ID. *An SnT Node ID must match the first number of the Gateway Node ID.*

An example, seen in Figures 10 & 11, is if the Gateway Node ID is 2<u>0</u>, then the SnT Node ID must be 2<u>1</u>-2<u>9</u>. Multiple Scan'n'Temp™ devices can have the same Gateway ID, but it's the SnT ID that distinguishes them apart.
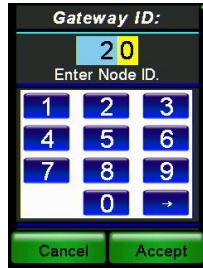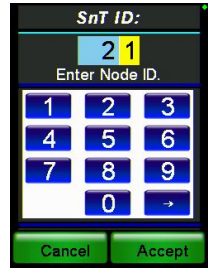
Figure 10: Gateway Node ID

Figure 11: SnT Node ID

1.4. Sync Files

Each Scan'n'Temp™ device has additional data that needs to be downloaded.

- Time/Version
- Schedule
- User List (if any)

To download this data, you must go to the **File Sync** screen.

Figure 12: Settings

To get to the **File Sync** screen, go to the **Main Menu→ Sign Out → Settings**. (When operating with a user list, you must be signed out to sync files.)

On the **Settings** screen (Fig. 12), select **Sync Files**, to access the **File Sync** screen.

To download the additional data, click on each box in the **File Sync** screen (Fig. 13).

*Note: After getting the **Time/Version** download, the screen will indicate whether newer versions of the schedule and/or user list are available on the Gateway. If they are available, press/select **Get Schedule** or **Get User List** to download.*
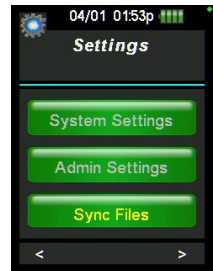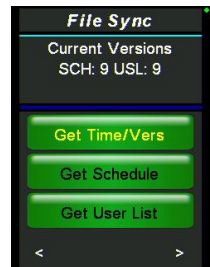
Figure 13: File Sync

1.5. Link Temp Probe

Go to **Settings → Admin Settings → Link Temp Probe**. The screen will prompt you to wake up the probe (Fig. 14). To wake up the Temp Probe, press the red Wake button (Fig. 15).

A screen will pop up on your Scan'n'Temp™ device asking to link to that specific probe you have just woken up (Fig. 16).

Click **Link Probe** and now your Scan'n'Temp™ is linked to your temperature probe. If you select **Don't Link Probe**, transmissions from that probe will be ignored during the link probe process.
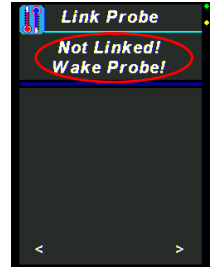
Figure 14: Prompt to wake

Press "Wake" button to wake Temp Probe.

Figure 15: Temp Probe

Figure 16: Link Probe

1.6. Scan Barcode

To scan an object, have a desired barcode to scan at a close distance. On the Main Menu (Fig. 17), press the **Scan** button to activate the beam and align the laser to the barcode (Figures 18A & 18B). Once you have done it correctly, the product should show up on your screen (Fig. 19). While on the Scan screen, press the joystick in to scan additional barcodes.

Figure 17: Home/ Main Menu

Figure 18A: Laser aligned scanning barcode.

Figure 18B: Scan'n'Temp screen when scanning.

1.7. Take Temperature

After scanning the barcode, you will see the food product you want to measure on the screen. It will then ask you to insert your temperature probe (Fig. 19).
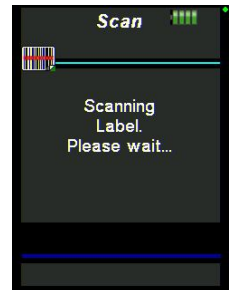
Press the red Wake button on the Temp Probe, and now the two devices should be connected.

To take a temperature measurement of the selected food, insert the probe into the food product and wait for the measurement and an **Accept Reading** button to appear on the screen. When the measurement stops changing, a results screen will appear.

A temperature reading will be highlighted **green** if it is within the desired temperature range for the selected product (Fig. 20). A temperature will be highlighted **red** if it is not within the desired range and in need of corrective action.

Cannot Measure (Fig. 19) can be used when a product is unavailable. After it is pressed, a list will appear with reasons why product was unavailable (e.g. sold out). Press/select one and continue.
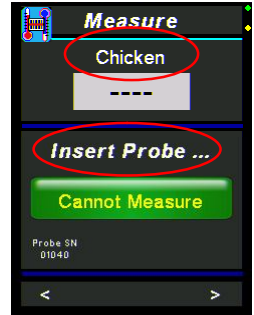

Figure 19:
Product Temperature
Measurement

Figure 20: Green
passing temperature
within desired range.

2 – Operation Details
Not covered in the QUICKSTART! Operation

Main Menu

The Main Menu (Home) screen (Fig. 21) is the first screen you will be directed to after the **Initialization** screen.

Figure 21: Main Menu/ Home

The five options on the Main Menu screen are:

      2.1. Scan
      2.2. Next CCP
      2.3. Task Lists
      2.4. Sign In/Sign Out
      2.5. Settings

You may need to scroll down using joystick or touch arrows at bottom of screen to select **Sign In/Sign Out** or **Settings**.

Select the option using the touch screen, or by pressing the joystick to select the desired option. Refer to page 4 or 6 for details on how to use the joystick or arrow touch buttons.

Figure 22: Home screen scrolled down

2.1. Scan

On the **Scan** screen (Fig. 22), you can scan any printed label produced by the iPrint printer connected to your device. Once the label is scanned, wake your temperature probe by pressing the red Wake button (Fig. 15). When prompted (Fig. 23), insert the probe into the food for temperature reading.

If the temperature taken is within the desired range for the product, the product will pass. If the temperature taken is not within the desired range, the product will fail and additional tasks will need to follow.

Figure 23: Measure screen also shows the assigned probe and its battery level.

Typically, the user may resume taking temperature, or if the temperature is not stable, may press the **Accept Reading** button to accept the reading.

2.1.1 Pass

If a temperature taken for a product is within the desired range, then a **Pass** screen will appear (Fig. 24).

To continue, press **Record**. If the given temperature is not what you want, press **Resume** to retake the temperature. Press **Cancel** to leave the screen without logging a result.
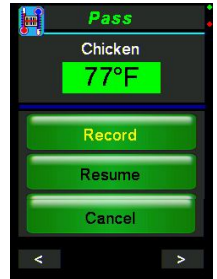
Figure 24: Pass

2.1.2 Fail

If a temperature taken for a product is not within the desired range, then a **Fail** screen will appear (Fig. 25).

Similar to the **Pass** screen, there will be three options:

- Record
- Resume
- Cancel

Press **Record** to continue.

Figure 25: Sample failed measurement.

Once the temperature is recorded, a corrective action screen will display (Fig. 26). There could be up to six corrective action selections. Select a corrective action from the pre-programmed list by touching the screen or using the joystick.

Press **Resume** to resume taking the temperature if you want more time for a better reading.

Press **Cancel** to exit screen.

Figure 26: Corrective Actions

2.1.3 Auto Measuring

The Scan'n'Temp™ automates the temperature measuring process by *evaluating* the temperature changes and results (Fig. 27).

When the Scan'n'Temp™ prompts the user to insert the probe into the substance to measure, it evaluates temperature changes and informs the user that the measurement is complete.

The following icons show the user the state of the auto measuring function.

Begin Measurement
When the temperature measurement is first started, the level icons are shown. The color represents the status at the start of the measurement.

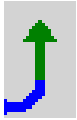| **BLUE**	**GREEN**	**RED**
TEMP TOO COLD	**TEMP IN RANGE**	**TEMP TOO HOT**

Rising Temperature- When the measured temperature raises more than 7°F from the start, or 3.6°F per second, one of the following icons is shown.

A   B   C
Started too Cold
A – Rising too cold
B - Rising to in range
C - Rising to too hot

A   B
Started in Range
A – Rising in range
B - Rising too hot

A
Started Too Hot
A - Rising to hot

Stable End of Measurement (Rising) - When the rising temperature measured becomes stable, one of the following icons is shown.
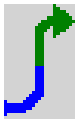
A   B   C
Started too Cold
A – Stable End too cold
B – Stable End in range
C – Stable End to too hot

A   B
Started in Range
A – Stable End in range
B – Stable End too hot

A
Started Too Hot
A – Stable End too hot

Falling Temperature - When the measured temperature falls more than 7°F from the start, or 3.6°F per second, one of the following icons is shown.

A
Started too Cold
A – Falling too cold

A **B**
Started in Range
A – Falling in range
B - Falling too cold

A **B** **C**
Started Too Hot
A - Falling too hot
B – Falling in range
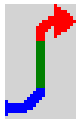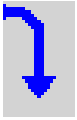**C – Falling too cold**
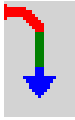
Stable End of Temperature (Falling) - When the falling temperature measured becomes stable, one of the following icons is shown.

A
Started too Cold
A – Stable too cold
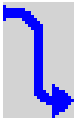
A **B**
Started in Range
A – Stable in range
B – Stable too cold

A **B** **C**
Started Too Hot
A - Stable too hot
B – Stable in range
C – Stable too cold

2.1.4 Pass/Fail
This section is used to complete an inspection process with a **Pass/Fail option**.

On the **Pass/Fail** screen (Fig. 28), press **Pass** or **Fail** for the CCP.

If the CCP passes (Fig. 29), press **Record** to continue.

Figure 28: Pass/Fail Inspection

If the CCP fails (Fig. 30), press **Record** to continue to a screen listing corrective actions. Select a corrective action by using the touch screen or the joystick. There can be up to six corrective action choices which are user defined.
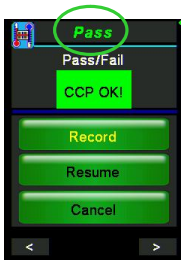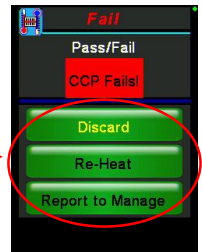

Figure 29: Sample Pass CCP

Figure 30: Sample Fail CCP screen followed by screen with listing corrective actions.

Select **Resume** button to retake a measurement.

Cancel can be selected to exit the **Pass/Fail inspection** without recording a result.

2.1.5 Scored Inspection

This section is used to complete a manual inspection process with a 1-10 Scoring option (Fig. 31).

Figure 31: *Two inspection examples*
(Left) Inspection score passed. Press Record to continue.
(Right) Inspection score failed. A screen follows with corrective actions.

2.1.6. Manual Temp

You can manually record a temperature for a product that is programmed as a manual Temperature Check (Fig. 32).

To do this, scan or select the product, enter the measured temperature in either Fahrenheit or Celsius. To change the temperature units refer to the **Deg. F or C** section on Pg. 25.

Figure 32: Enter Temperature

After the temperature has been entered press **Accept** and then **Record** on the next screen (Fig. 33). If the temperature fails you will be prompted to select a corrective action

Figure 33: Manual Temperature Pass

2.2. Next CCP

Next CCP presents scheduled tasks that are due. See **Scheduled** (Section 2.3.2) for description.

2.3. Task Lists

On the **Task Selection** screen (Fig. 34) you can access all the different type of tasks that you have.

In this screen there are 3 options:

      2.3.1 Hold/Warm/Cool
      2.3.2 Scheduled
      2.3.3 Unscheduled

Note: Not all buttons may appear on this screen depending on the types of CCPs included in your schedule.

Figure 34: Task Selection

2.3.1 Hold/Warm/Cool

In this section, there are three different types of processes that can appear:

- Cook/Chill
- Cold Holding
- Hot Holding

When a food is scanned/selected, scheduled to be checked, and rescanned, it will appear in this section. Each food will appear with a time to be re-checked.

To manually update the temperature reading for a specific item, using the joystick, scroll to that item until it is highlighted yellow and select (Fig. 35). You will not have to rescan the barcode. Just wake up your temperature probe and retake the temperature of the item.
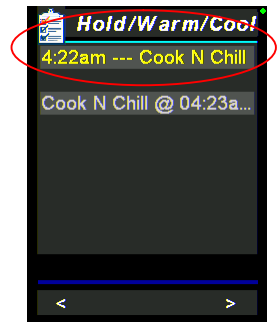
Figure 35: Hold/Warm/Cool

When the assigned time for a task is up, the sounder will alarm and the item will be highlighted in yellow and flashing.

2.3.2 Scheduled

On the Main Menu select **Task Lists → Scheduled** to get to the **Scheduled Tasks**. The **Schedule** screen (Fig. 36) displays the list of CCP's that are pending for the day. The CCP's are sorted by time due, then alphabetically, and are removed as they are completed.

Figure 36: Sample Schedule

CCP's highlighted **green** can be completed; CCP's highlighted **gray** are not due yet. Items highlighted **red** are past due, cannot be completed and will be removed from the list once it reaches the top.

Touch or use joystick to select the scheduled CCP to be performed.

If the Scan'n'Temp™ is asleep, the unit will wake up to remind you of CCP's that are due. Reminders are seen on the **CCP Alert!** screen (Fig. 37) and heard with a sounding alarm. In this screen there 3 options:

Figure 37: CCP Alert!

- Scan
- Next CCP
- Task Lists

Press **Scan** to scan the barcode of an item that is to be checked.

Click **Next CCP** to see the next task that is ready to do (Fig. 38).

Press **Start** to start a Scheduled Task.
Press **Next** to scroll through Scheduled Tasks.
Press **Cannot Measure** if you are unable to perform a **Scheduled Task**.
Status provides a summary of the CCP scheduled task completion.

Figure 38: Scheduled Tasks

Task Lists brings you to the **Task Selection** screen (Fig. 34), the main task menu. This screen also allows you to scroll through the **Scheduled Tasks** and to choose one to perform (Fig. 36).
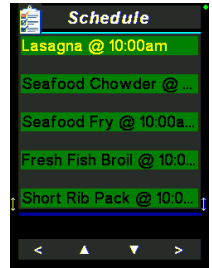
2.3.3 Unscheduled
On the Main Menu select **Task Lists** → **Unscheduled** to get to the Unscheduled CCP's. Any CCP can be recorded at any time from this screen. From the "New Unscheduled" screen (Fig. 39), select the "CCP Group" of items to choose from. From the CCP group of items, select the CCP that you would like to perform.
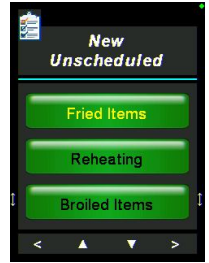
Figure 39:
Unscheduled Tasks

2.4. Sign In/Sign Out
On the Main Menu (Fig. 40A), press the Sign In option and then choose your username on the next screen (Fig. 40B).
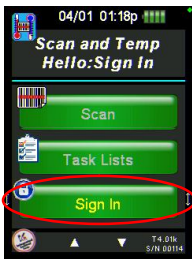
Figure 40A:
Main Menu
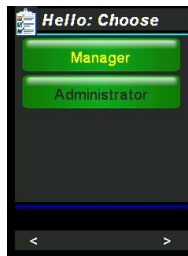
Figure 40B:
Sign in Names

Figure 40C:
Enter Pass Code here.

If you are an Administrator or a user with a pass code, the **Pass Code screen** (Fig. 40C) will appear after you choose your user name.

On the **Pass Code screen**, if you are using your finger, use the number keyboard. If you are using the joystick, move up to raise the pass code number, and move down to lower the pass code number. The lowest you can go is 0. Then press **Accept** to save the pass code number or press **Cancel** to not save that number and exit the screen.

Figure 40D: Sign Out
option in yellow

Sign Out (Fig. 40D) when you are done with the tasks for the day.

2.5. Settings

In the **Settings screen** (Fig. 41) you can access the System Settings and Admin Settings if you are logged in.
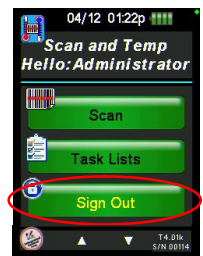
If you are not logged in you can only access the Sync Files option. If logged in Sync Files is not accessible (unless there is no user list).

2.5.1 System Settings

Touch the **System Settings box** to go to its screen (Fig. 42).

In this screen there are 8 options:

- Volume
- Power Save
- Snooze Time
- Log Out Time
- Task Wake-Up
- Deg. F or C
- Station Select
- Check Calibration

Figure 41: Settings

Figure 42: System Settings

Volume

On the Volume screen (Fig. 43), use the joystick button (move up to raise volume, and move down to lower volume), or your finger (use the number keyboard), to change the volume of the unit's sounder. Then press **Enter** to save the desired volume. The changes are immediate and automatically saved.
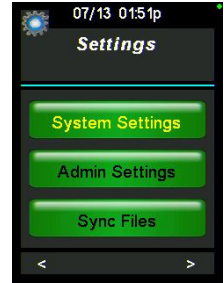

Figure 43: Volume featuring number keyboard.

Power Save

This option (Fig. 44) is used to determine how long in seconds the screen will stay on with the device inactive before going into sleep mode.

*See **Section 3** for how to enter/change values using the touch key pad or the joystick.*

Figure 44: Power Save

Snooze Time

This option (Fig. 45) determines how frequently the Scan'n'Temp™ should wake up when the user still has tasks left to complete. This option is controlled the same way as **Power Save** (Pg. 23).

*See **Section 3** for how to enter/change values using the touch keypad or the joystick.*

Figure 45: Snooze Time

Log Out Time

This option (Fig. 46) determines how long until the user will be logged out due to inactivity. This option is controlled the same as the **Power Save** option (Pg. 24).

*See **Section 3** for how to enter/change values using the touch keypad or the joystick.*

Figure 46: Log Out Time

Task Wake-Up

This option (Fig. 47) determines if the user wants the device to wake up after a certain period of time, determined by the **Snooze Time** option. If there are scheduled tasks and they become due, the Scan'n'Temp™ will wake unless device is disabled.

To enable or disable this option, press either **Enable** or **Disable**. Press **Enter** to save.

*See **Section 3** for how to enter/change values using the touch keypad or the joystick.*
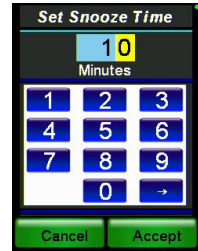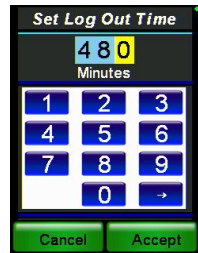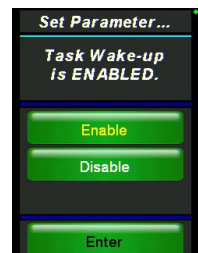

Figure 47: Task Wake-Up

Deg. F or C

This option (Fig. 48) determines in what units the user wants the temperature to be displayed: **Fahrenheit** or **Celsius**.

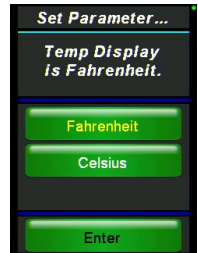To change the temperature units to Fahrenheit or Celsius, press the desired option on screen. Press **Enter** to save.

Figure 48: Degrees F or C

Station Select

This option (Fig. 49) appears when the user logs on and determines which station(s) the user will be working (Section 1.2.2). To use this option, or to turn it off, press **Enable** or **Disable** respectively. Press the **Enter** to save the option.

*Note: Selecting stations limits the items available under **Task Lists**.*
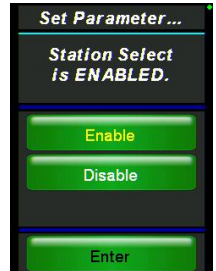
Figure 49: Station Select

Check Calibration

The **Check Calibration option** (Fig. 50) calibrates the temperature probe. To calibrate probe, press the red Wake button and temperature will begin to be measured.

Note: The user must be logged in as Administrator to adjust the calibration.

When the temperature reading is within ±2°C of 0°C (ice bath) or 100°C (boiling water), a correction value will be displayed. It can be adjusted by pressing up or down on the joystick.

To finish the calibration and to accept the reading, touch the **Accept Reading** (Fig. 51).
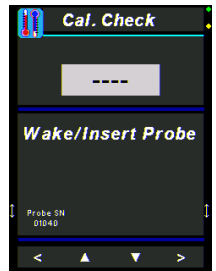
Figure 50: Initial Check Calibration
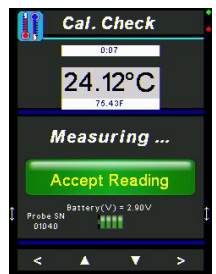
Figure 51: Finished Calibration Check

2.5.2 Admin Settings

Touch the **Admin Settings** box on the **Settings screen** (Fig. 41) to display its screen. On the **Admin Settings screen** (Fig. 52) there are 6 options:

- Init Radio
- Link Temp Probe
- Set Time
- Set Date
- Calibrate Screen
- System Resets

Figure 52: Admin Settings Options

Init Radio

Refer to **1.3. Initialize Radio** for a description of this option, including how to set Gateway and SnT ID's (Fig. 53).
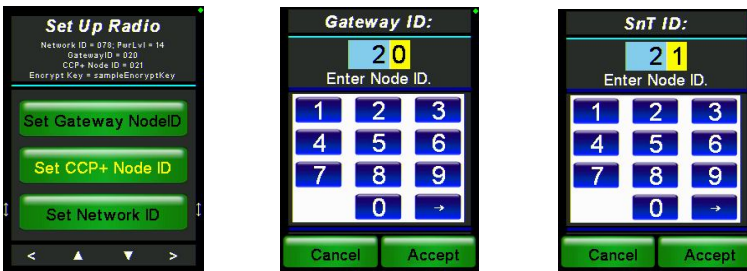
Figure 53: Initializing the Radio by setting the Gateway and SnT ID's.

Link Temp Probe

This option links a temp probe to a Scan'n'Temp™ device.

You <u>must</u> wake up the temp probe by pressing the **Wake** button (Fig. 15). Each probe has its own serial number.

Press **Link Probe** to link your **Scan'n'Temp™** to a specific probe.

Press **Don't Link Probe** to not link your device.

Figures 54: Linking Probe

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If your device is already linked to a probe and you want to use another probe, or no probe at all, press **Unlink Probe** (Fig. 55).

To test the probe to make sure it is getting good temperatures press **Test Linked Probe**.
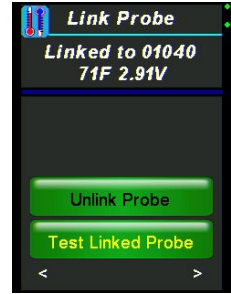
Figure 55:
Unlink or Test Probe

Set Time

This option (Fig. 56) sets the time for the device. You must enter the time in this 24-hour *hh:mm* format.

To change the time, use the number keyboard with your finger. Or if using the joystick, move up or down to raise or lower the time; left or right to move between fields.

Press **Accept** to save the desired time. Changes are immediate.

Figure 56:
Set Time

Set Date

This option (Fig. 57) is used to set the date for the Scan'n'Temp™ device. You must enter the date in this *mm/dd format*.

To change the date, use the number keyboard with your finger. Or if using the joystick, move up or down to raise or lower the time; left or right to move between fields.

Press **Accept** to save the desired time. Changes are immediate.

Figure 57:
Set Date

Calibrate Screen

Pressing the Calibrate Screen option displays the **Touch Calibration** screen (Fig. 58). Calibration should be performed with your finger if the buttons become offset from the screen.

Follow the instructions on the screen and press **Continue** when you receive the green Congratulations message.
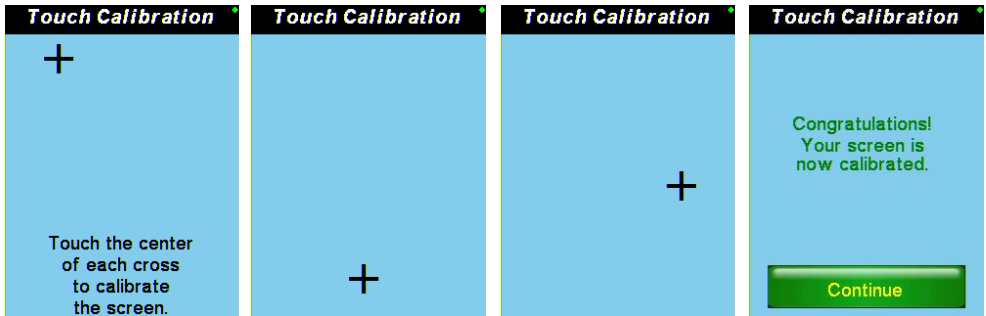
Figure 58: Example of the Calibration screens and instructions.
Use your fingertip to touch each cross to calibrate.

System Resets

This option (Fig. 59) brings all settings back to their system default.

There are 5 options that bring individual settings back to their default:

- ReInit TouchCal
- Clear All Logs
- Default App Files
- Erase App Flash
- System Reset

Figure 59: System Resets

2.5.3 Sync Files

On this system **Settings** option (2.4.), press the **Sync Files** button (Fig. 60) to sync the latest version of files needed for your Scan'n'Temp™ device. Click on each option to sync each file. The following files available to sync are:

- Time/Version
- Schedule
- User List

Note: You must be underlined signed out to do file sync.

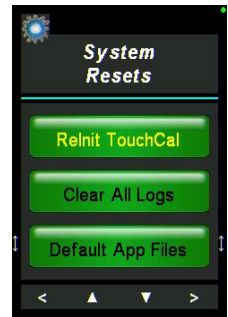The files sync to the printer (aka Gateway) that the Scan'n'Temp™ device is connected to. Upon entry to the **File Sync** screen, the current versions of the schedule and user list that are in the Scan'n'Temp™ device are displayed (Fig. 61).

While syncing, a progress bar will show at the bottom of the screen. When a file syncs properly, an "Updating" message will appear (Fig. 62).

Once files are updated successfully, a "No New Files Available" will show (Fig. 63).

If the Scan'n'Temp™ device and the gateway (printer) are not properly connected, an error message will appear based on the type of file you are trying to sync. An example error message is shown below.
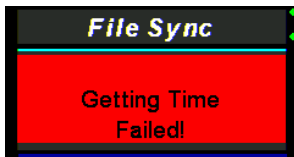
Example of time sync error.

Figure 60: Sync Files button on Settings menu.
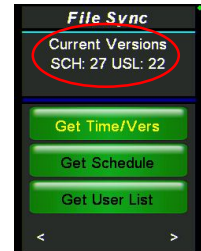
Figure 61: Current Versions of schedule and user list shown.
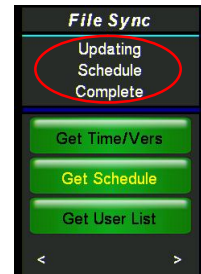
Figure 62: Sync Files
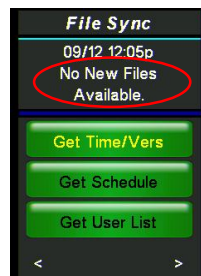
Figure 63: No New Files Available

3 – Rules for Numeric Entry

There are 2 types of numeric entry fields: **Variable Width** and **Fixed Width**.

Fixed Width – numbers enter from the *left* (Date and Time).

Fig. 64: Examples of Fixed Width Entry Fields

Specifically for Fixed Width Fields
- The cursor position (i.e. the position of the digit that can be entered) is highlighted in **yellow.**
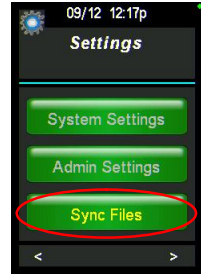- Touching the **Accept** button or pushing the **joystick in** will end the numeric field entry and save the displayed value.
- The moving the **joystick up** increments and **joystick down** decrements the digit at the cursor position.
- The **Cancel** button will exit you from the screen.
- Touching a **digit (0...9)** button, moving the **joystick right** or touching the → or ← button will enter the digit at the cursor position and advance to the next digit to be entered (i.e., moves the cursor one position to the right and cycles back to the leftmost position when advancing from the rightmost position).
- Touching the ← button or moving the **joystick left** will enter the digit at the cursor position and backspace to the next digit to be entered (i.e., moves the cursor one position to the left and cycles back to the rightmost position when backspacing from the leftmost position).

<u>Variable Width</u> – numbers enter from the *right* (System Settings other than date and time)

Fig. 65: Examples of Variable Width Entry Fields

Specifically for Variable Width Fields

- The cursor position (i.e. the position of the digit that can be entered) is highlighted in <mark>yellow.</mark>
- Touching the ***Accept*** button or pushing the ***joystick in*** will end the numeric field entry and save the displayed value.
- The moving the ***joystick up*** increments and ***joystick down*** decrements the digit at the cursor position.
- The ***Cancel*** button will exit you from the screen.
- Touching a ***digit (0...9)*** button or moving the ***joystick left*** will enter the digit at the cursor position (the least significant digit) and advance to the next digit to be entered (i.e., shifts the entered digits to the left and displaying 0 in the rightmost position which remains the cursor position).
- Touching the → button or moving the ***joystick right*** will "backspace" (i.e., shifts the entered digits right one position dropping the least significant digit while leaving the cursor in the rightmost position).

4 – CCP Types

Item#:1006
Temp and Reprint

‖‖ ‖‖‖‖‖‖‖‖ ‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖‖
R1006161050922

Temp and Reprint - Used for moving food from one labeled pan to other single or multiple pans. The user can scan the label, record the temperature, and reprint the same label as required.

Item#:1001
Temp and Print

‖‖ ‖‖‖‖‖‖‖ ‖‖‖‖ ‖‖‖ ‖‖
P1001
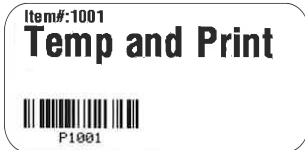
Temp and Print - Used for reprinting a new label with a new expiration date/time and recorded temperature when prepared food is removed from storage to be served. The use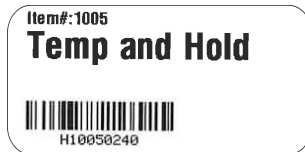r can scan the product label, record the temperature then reprint a label with a new expiration date/time and recorded temperature of the food item when it was removed from storage.

Item#:1005
Temp and Hold

‖‖ ‖ ‖ ‖‖‖‖‖‖‖‖ ‖‖‖‖‖‖ ‖‖‖‖ ‖‖‖
H10050240

Temp and Hold - Used for food items that are being served Hot or Cold and need to be held and temped for a specific period of time at specific time intervals. The user can scan the label, record a temp, and be notified when to take the temp again and when the product hold time has expired so the product can be discarded. When the label is scanned the item is added to the task list under the hold / warm /cool category. The user can also enter a weight for waste when the product does expire.

Item#:1003
Temp and Expire

‖‖ ‖‖‖‖‖‖‖‖‖‖‖ ‖‖‖ ‖‖‖ ‖‖ ‖‖‖‖ ‖‖‖‖ ‖‖‖
X1003161041062

Temp and Expire - Used for food items that are stored Hot or Cold and need to have temperature recorded. The user scans the label, records a temp, and is notified when scanning if the product is expired. When the product is expired the user can enter a weight for waste.

Item#:1007
Cook and Chill
T1007

Cook and Chill - Used for scanning a label to start the Cook/Chill process. The user scans a label and records a temperature of cooked food. If the temperature is above the requirement the item is added to the task lists under hold/warm/cool category. The scanner will prompt the user to record the temperature every hour until the 70 degree temperature is reached within two hours and the 40 degree temperature is reached within six hours.

Item#:1002
Take Temp
T1002

Take Temp - Used for scanning a product label and recording a temperature.

Item#:1010
Scored Inspection
T1010

Scored Inspection - Used for scanning a label and entering a 1-10 score for a visual inspection.

Item#:1008
Pass/Fail
T1008

Pass/Fail - Used for scanning a label and entering a pass/fail for a visual inspection.

Item#:1011
Manual Temp
T1011

Manual Temp - Used for scanning a label and entering a temperature manually into the scanner.

Item#:1004
Expired
D1004161041061

Expired - Used for scanning a product label and being notified if the product is expired.

5 – Scan'n'Temp™ Specifications
990095, Scan'n'Temp™

Dimension:
-2.2″W x 7.5″H x 1.4″D, 4.5 oz

-Probe - 1.2″W x 7.1″H x 0.4″D, 1.0 oz

Screen:
-320x240 resolution

-2.6-Inch TFT-LCD touch-screen display

Temperature:
-Range -40˚F to 500˚F (-40˚C to 260˚C)

-Accuracy ± 0.9˚F (± 5.0˚C Total

System) ± 0.5% of Reading

-Resolution Whole Degree in

Fahrenheit / Tenth Degree in Celsius

Probes:
-Fast Response 4" Probe

-Standard K- type thermocouple

Processor:
-Low Power AVR ATmega328P 8-bit -

8MHz Microprocessor

-32KBytes Flash Memory

-1KBytes EEPROM

-2KBytes SRAM

Radio:
-915MHz Transceiver

Temperature Sensor:
-National Semiconductor LM73

-Temp Accuracy: -10C to 80C +/-1.0C

-25C to 115C +/-1.5C

-40C to 150C +/-2.0C

-Temp Resolution 0.25C to 0.03125C

Scanner Technology:
-Laser

Scan Pattern:
-Single Line

Decode Capability:
-1D Scan angle: 53.3˚ ± 3˚

Power:
-USB - 5.vdc 400 mA Charge Current

With supplied charging station

Storage:
-4.0 GB User Data and Storage

6 – Limited Factory Warranty

Integrated Control Corp. (ICC) warrants the products listed below that it manufactures and distributes (the "Products") to be free from defects in materials and workmanship, under normal use and service, for periods as stated starting on installation or first data transmission.

ICC warrants the following Product components to be free from defects in materials and workmanship commencing with installation for the period(s) of time and on the conditions listed below:

• **Scan'n'Temp™**	**990095**	**12 Months - Excludes Battery**
• **1 Yr. Depot Service**	**Return Authorization must be requested in advance**	**Replacements require a credit card guarantee prior to shipping**

This Warranty covers normal wear and tear of parts, factory service labor charges, shop fees, disposal fees, ground freight charges to end users, help desk fees, troubleshooting and diagnostic fees.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTIBLILITY OR FITNESS FOR A PARTICULAR PURPOSE OR PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT INFRINGEMENT.

Without limiting the generality of the foregoing, **SUCH WARRANTIES DO NOT COVER:** Product misuse, tampering or misapplication, improper installation or application of improper voltage, water damage, cleaning solution damage, overheating from environment, battery life, condensation, data not programmed or acts of God.

Use of any **Peripherals** NOT supplied by ICC VOIDS the Warranty of the **Electronic Units**

Limitation of Remedies and Damages: ICC's liability and Buyer's exclusive remedy hereunder will be limited solely, at ICC's option, to repair or replacement of part under warranty, with respect to any claim made within the applicable warranty period referred to above. Without limiting the foregoing, all Products shall be returned by Buyer, at its sole expense, to ICC for replacement or repair. ICC reserves the right to accept or reject any such claim, in whole or in part. ICC will not accept the return of any Product without prior written approval from ICC.

ICC WILL NOT BE LIABLE, UNDER ANY CIRCUMSTANCES, FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING, BUT NOT LIMITED TO LABOR COSTS OR LOST PROFITS or PRODUCTS RESULTING FROM THE USE OR INABILITY TO USE THE PRODUCTS OR FROM THE PRODUCTS BEING INCORPORATED IN OR BECOMING A COMPONENT OF ANY OTHER PRODUCT OR GOODS OR FOR ILLNESS, INJURY OR LOSS OF LIFE.

NO OTHER WARRANTIES ARE EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

7 – Service Support

Customer Care Support

For Customer Care call: Integrated Control
+1-631-673-5100

Support available: 8:30am to 5pm ET

*All returns require a return authorization number that may be requested through the Customer Care telephone number.

*Replacements will require a credit card guarantee prior to shipping.