



# CyberCook User Guide

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## 1. GENERAL

### 1.1. Introduction

CyberCook is an iPad application designed to facilitate remote setting and monitoring of the CyberQ Wi-Fi and CyberQ Cloud devices via a Wi-Fi network. This guide refers to both devices as “CyberQ” unless the discussion requires differentiation between the two models.

CyberCook will work with the CyberQ device in adhoc, hotspot or infrastructure network modes. Refer to the latest version of the CyberQ User Guide for detailed information on network modes.

CyberCook has been extensively tested with the latest CyberQ firmware version available at the time of application update. CyberCook will be tested and updated as necessary as future firmware versions are released.

This user guide is primarily designed to aid in use of CyberCook. Refer to the latest version of the CyberQ User Guide available at [www.bbqguru.com](http://www.bbqguru.com) for detailed information on device setup and use.

Email requests for app support, bug reports and app enhancement to [support@iportablesolutions.com](mailto:support@iportablesolutions.com)



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## 2. SETUP AND CONNECTION

### 2.1. General

CyberCook is designed to connect to the CyberQ device via hotspot, adhoc or infrastructure Wi-Fi network mode. CyberCook can also be used to remotely access your CyberQ device when away from home via the Internet. Refer to the CyberQ User Guide for setup instructions to access your CyberQ device via the Internet.

Hotspot mode and Adhoc mode allows the CyberQ device to create its own network and does not require the use of an external router. Adhoc mode will only allow one wireless device (i.e. your iPad) to connect to the CyberQ device at a time. Hotspot mode allows multiple devices to connect directly to the CyberQ device and also supports network encryption.

Infrastructure mode requires an external router similar to the one you may have at home. In infrastructure mode, the external router serves as an intermediary between the CyberQ device and any wireless devices (i.e. your iPad). In infrastructure mode, multiple wireless devices can connect to the CyberQ device through the external router. In infrastructure mode the CyberQ device connects wirelessly to the router, while CyberCook connects wirelessly to the CyberQ device through the router.

In both hotspot/adhoc and infrastructure mode, the IP Address and HTTP Port entered on the CyberCook *Connection Settings* menu tells the app where to find the CyberQ device on the network. Refer to the latest version of the CyberQ User Guide for information on setting up the CyberQ device in the desired network mode.

CyberCook provides the ability change the HTTP Port from the default (80) to a custom port designation from 0 to 65535. It is highly recommended that you change the port to something other than 80 to prevent potential conflicts with other devices and applications.



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## 2.2. Connecting CyberCook to the CyberQ Device

After the CyberQ device has been set up in the desired network mode, there are only a few steps required to establish a connection between the app and device.

1. Connect your iPad to the CyberQ device network (directly to the CyberQ device in hotspot/adhoc mode or to your Wi-Fi network in infrastructure mode) from the iPad *Settings* application.
2. Select your CyberQ model (Wi-Fi or Cloud) on the CyberCook *Connection Settings* menu.
3. Select the CyberQ IP Address (or domain name) on the CyberCook *Connection Settings* menu.
4. Select the CyberQ device HTTP Port on the CyberCook *Connection Settings* menu. (This should only be necessary if you changed the port on the CyberQ from the default setting of 80.)
5. Enter the CyberQ device username and password on the CyberCook *Connection Settings* menu. (This is only necessary if you have set a username **AND** password on your CyberQ device.)
6. **(CyberQ Cloud Only)** Turn CLOUD ENBLD to OFF on CyberQ Cloud device Wi-Fi Setup menu. Repower the CyberQ after changing the setting. This is only necessary if you are connecting in Infrastructure mode (via your local Wi-Fi network).

**Important:** Make sure you tap the *Update Wi-Fi Settings* and/or *Update Credentials* buttons after making any changes.

**Important:** Make sure you repower the CyberQ after changing any settings.

Continue to the next section for detailed connection instructions.

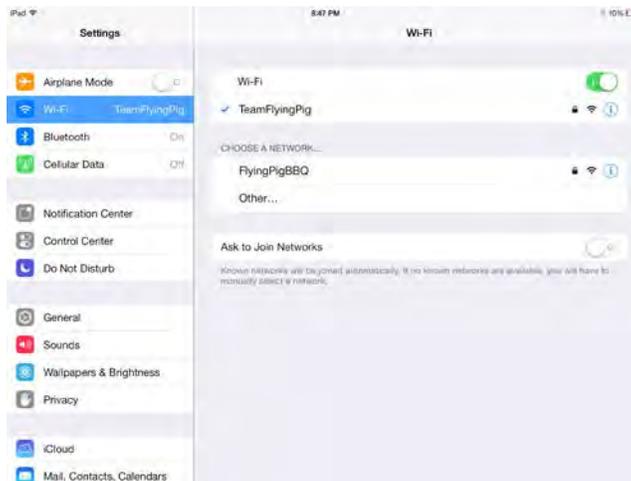


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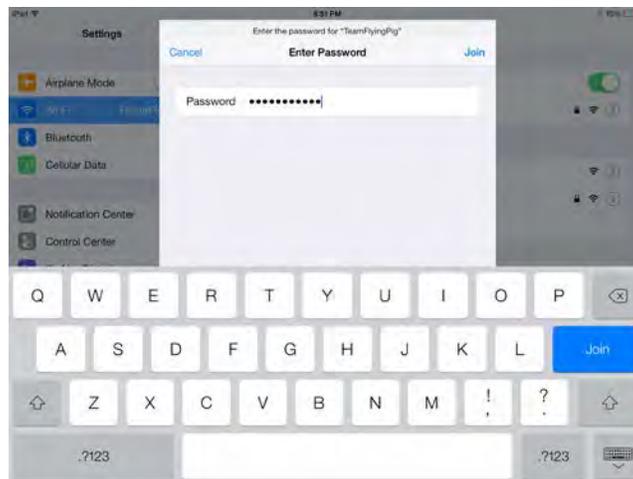
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## 2.2.1. Connecting iPad to Wi-Fi Network

To connect your iPad to the network the CyberQ is connected to, open the iPad *Settings* application and tap *Wi-Fi*. Under *Choose A Network*, tap the hotspot/adhoc network created by the device (hotspot or adhoc mode) or choose the network the CyberQ device is connected to (infrastructure mode).



Enter the network passcode if prompted and tap the “Join” button.



Exit the *Settings* app and launch CyberCook.



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## 2.2.2. Entering CyberQ IP Address

The CyberQ device IP Address can be determined by:

1. Simultaneously press the Up and Down arrow buttons on the device until *System Setup* is displayed.
2. Press the Right arrow button to display the *Wi-Fi Setup* screen. Press the down arrow button until the current device IP Address is displayed on the *Wi-Fi Setup* screen.

**NOTE:** The CyberQ IP Address is also displayed for about five seconds after it connects to the network after being powered on.

To select the CyberQ device IP address within CyberCook launch the app and tap the *Settings* icon (gear symbol on left side of Control Panel top toolbar). (Tap *Work Offline* on the *Lost Connection* alert if displayed.)



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Tap *Connection Settings* on the *CyberCook Settings* menu. Enter the CyberQ device IP address in the four-segment IP Address textfields. Each address segment must be a number between 0 and 255. The *Update Wi-Fi Settings* button is not enabled unless a valid IP Address AND valid HTTP Port have been entered. **The IP address and port are not updated within the app until you tap the *Update Wi-Fi Settings* button.**





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## 2.2.3. Entering CyberQ HTTP Port

If you have changed the HTTP Port on your CyberQ device from the default (80), you must also enter this port selection on the *Wi-Fi Settings* menu. You can determine the CyberQ device port by tapping the down arrow button on the CyberQ Wi-Fi Setup screen until the port is displayed.



Enter the port into the textfield using the keyboard. The port must be a number between 0 and 65535. The *Update Wi-Fi Settings* button is not enabled unless a valid IP Address AND valid HTTP Port have been entered. IP Address and port validity are displayed on the Wi-Fi Settings menu. **The IP Address and port are not updated within the app until you tap the *Update Wi-Fi Settings* button.**

## 2.2.4. Entering CyberQ Authentication Credentials

The last step is to enter the device username and password. **This is only necessary if you have entered a username AND password for your CyberQ device.** If you have not entered a username and a password, this step is not necessary.



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The username and password are entered on the *Connection Settings* menu.



Enter your username and password and tap the *Update Credentials* button. Your authentication credentials are updated within the app as soon as you tap the *Update Credentials* button.



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## 2.2.5. Setting CyberQ Device Model

Select your CyberQ device model (Wi-Fi or Cloud) on the *Connection Settings* menu.



**NOTE:** If you are using a CyberQ Cloud device, you must set CLOUD ENBLD to OFF on the CyberQ Wi-Fi settings menu. Re-power the CyberQ to enable the new setting.

After setting the device Wi-Fi settings, authentication credentials, and CyberQ device model tap anywhere on the Control Panel to dismiss the *Settings* popover. The app should connect to the device within a few seconds.

When the app first connects to the device, app settings related to the device are initialized to current device settings.

If the app doesn't connect within 30 seconds, verify your iPad is connected to the correct Wi-Fi network.



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Refer to the latest version of the [CyberQ User Guide](#) for additional information on setting up the CyberQ device Wi-Fi network.

**NOTE:** If connection is not made within 3 minutes, the *PWR FAIL* warning will be triggered. Tapping *OK* on the alert silences the aural warning.

**IMPORTANT:** iOS does not allow applications connecting to external devices to run in the background often enough to do their job. Background data refresh intervals are controlled by the operating system and typically only occur two or three times a day, not nearly often enough to be useful for CyberCook. Therefore, CyberCook must be running in the foreground (displayed on screen) in order to monitor and control the CyberQ device.

Because the app must be running throughout the cook session, it is recommended to connect your iPad to a power source if you are planning a long cook. **By default, CyberCook automatically disables the iOS auto-lock function as long as CyberCook is running in the foreground.** This prevents your iPad from “going to sleep” while CyberCook is running.

Auto-lock is disabled by default when you first install CyberCook. You can change the auto-lock setting on the CyberCook *Miscellaneous Settings* menu.





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Auto-lock is automatically re-enabled to the global auto-lock setting found in the iPad Settings app when CyberCook is closed.

**IMPORTANT:** In order to prevent undesired battery usage, close CyberCook when you are not using it.

Decreasing display brightness as low as possible can also greatly increase battery life during long cooks.

If the device is connected in Hotspot mode or to an infrastructure network, it is possible for multiple iOS devices running CyberCook to monitor the CyberQ device.



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## 3. CONTROL PANEL

### 3.1. Overview

The Control Panel is selected by tapping the *Control Panel* button on the bottom tab bar. The Control Panel provides the main interface for remote monitoring of pit and food temperatures and changing pit and food temperature setpoints. It also provides a series of annunciators that provide a quick indication of cook session status and other controls for cancelling aural alarms and starting/stopping cook session recording.

The probe display panel titles are color coded according to the associated temperature lines displayed on the cook session graph for easy identification and correlation.





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## 3.2. Clock

A clock displaying local time is displayed at the top of the control panel. The format of the clock is controlled by the *Date & Time* settings in the iPad *Settings* app.



## 3.3. Pit Controls

Pit parameters are displayed on the *Pit* display panel. Pit temperature (temp) is updated each time the app refreshes its data from the device. How often app data is refreshed can be set on the *Refresh Intervals* menu. The pit temp display will flash each time app data is refreshed, providing an indication of the refresh interval. If no pit temp probe has been inserted into the device, *NO PROBE* is displayed on the pit temp display. The pit temp display is color coded according to the relationship of actual pit temp to the pit temp setpoint. If pit temp is within the pit temp alarm threshold (10° F by default), pit temp is displayed in green. If pit temp is above the alarm threshold pit temp is displayed in red; if it is below the alarm threshold, it is displayed in blue. Aural and visual alarms are also triggered when food temp exceeds the alarm threshold.



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The pit temp setpoint is adjusted using the pit temp setpoint stepper control. Tapping the stepper adjusts the setpoint up or down in one degree increments. If the stepper is held, the setpoint is adjusted continuously up or down until it is released to provide a quick way to make large changes.

When the setpoint is changed on the app, the change is also transmitted to the CyberQ device to reset its pit temp setpoint. A short time after the change is transmitted to the device, CyberCook verifies the device successfully received the change. If the device was not successfully updated, an alert is displayed and the setpoint temperature turns yellow to indicate that the change was not successful. The setpoint changes back to green when the alert is dismissed and the setpoint displayed on the control panel remains at the current CyberQ device value.



**NOTE:** A setpoint disagree will also occur when multiple iOS devices are connected to a single CyberQ device and the setpoint is changed from one iOS device. The disagree will occur on those devices where the setpoint was not changed because their setpoints don't



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agree with the current CyberQ setpoint. Simply tap OK on the visual alert dialog to dismiss the alert. The setpoint value will now be set to the current CyberQ value and the temp display will turn back to green.

Pit temp status is indicated by the *Status* display. The Status display indicates *Error* if an Error status code received from the device during a data refresh. The pit temp *High*, *Low*, *Warm-Up* and *OK* status displays are computed internally by the app. This is necessary due to delays in the device computation of High and Low pit temps (above/below alarm threshold) in certain situations and to enable user customization of alarm behavior. CyberCook uses an internal algorithm to compute if the pit temp is above or below the alarm threshold during each data refresh. This internal algorithm ensures you are immediately alerted if the pit temp exceeds the alarm threshold, high or low. Refer to the *Alarms* section in this guide for additional information.

Fan output percentage is displayed on the *Fan Output* display. This display is updated from the device during each data refresh.

## 3.4. Food Controls

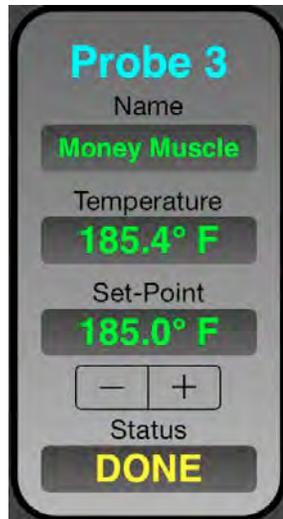
Food parameters are displayed on the three *Probe* display panels. A customized name can be entered for each of the three food displays for easy identification of the associated food. The food names entered on the *Probe* display panels are not transmitted to the device.

Food probe temperature (temp) is updated each time the app refreshes its data from the device. How often app data is refreshed can be set on the *Refresh Intervals* menu. If a food temp probe has not been inserted into the device, *NO PROBE* is displayed on the associated food temp display. The food temp display is color coded according to the relationship of actual food temp to the food temp setpoint as computed by the device. If food temp is below the food temp setpoint, food temp is displayed in green. When the food temp reaches the food temp setpoint, the associated food temp is displayed in yellow and the food *DONE* alarm is triggered.



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Each food temp setpoint is adjusted using the associated food temp setpoint stepper control. Tapping the stepper adjusts the setpoint up or down in one degree increments. If the stepper is held, the setpoint is adjusted continuously up or down until it is released to provide a quick way to make large temperature setpoint changes.

A short time after the change is transmitted to the device, CyberCook verifies the device successfully received the change. If the device was not successfully updated, an alert is displayed and the setpoint temperature turns yellow to indicate that the change was not successful. The setpoint changes back to green when the alert is dismissed and the setpoint displayed on the control panel remains at the current CyberQ device value.





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**NOTE:** A setpoint disagree will also occur when multiple iOS devices are connected to a single CyberQ device and the setpoint is changed from one iOS device. The disagree will occur on those devices where the setpoint was not changed because their setpoints don't agree with the current CyberQ setpoint. Simply tap OK on the visual alert dialog to dismiss the alert. The setpoint value will now be set to the current CyberQ value and the temp display will turn back to green.

Food temp status is indicated by each food *Status* display. The Status display indicates *ERROR* if an error status code is received from the device during a data refresh. The food temp *DONE* alarm is triggered by the app when it the food temperature reaches its setpoint.

## 3.5. Alarms

CyberCook provides a series of aural and visual alarms on the annunciator panel to alert you in the event that some action needs to be taken during your cook session. All alarms are set ON by default, but the aural alarms can be inhibited in app settings if desired. Visual alarm indications cannot be inhibited.





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## 3.5.1. Lost Connection and Power Failure Alarms

CyberCook provides a lost connection alarm if the app loses connection to the device. The alarm consists of a single aural alarm (“Connection lost with CyberQ”), a visual alert dialog, and a flashing yellow *LOST* indication on the *Connection Status* annunciator. The *Connection Status* annunciator is automatically reset when connection to the CyberQ is regained.



The app will continue to attempt connection to the device as long as the app is active.

The lost connection visual alert dialog provides options to work offline (inhibiting the PWR FAIL alarm) or to go directly to connection settings.





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A power failure alarm is triggered three minutes after the lost connection alarm is triggered. This alarm does not necessarily mean that the CyberQ device has lost power, but because a power failure is the most common reason for a long loss of connection, the alarm provides you the opportunity to check the device to ensure proper operation. The alarm consists of a continuous aural alarm, a visual alert dialog, and a flashing red *PWR FAIL* annunciation on the *Connection Status* annunciator.



The aural alarm is cancelled by tapping the *OK* button on the power failure visual alert dialog. The *PWR FAIL* warning is automatically reset when connection to the device is regained.



## 3.5.2. Pit Temperature Alarm

An internal app algorithm computes and triggers the pit temp alarm when the pit temperature exceeds the pit temp setpoint (high or low) by the alarm threshold set on the *Pit Settings* menu. The pit temp alarm computation is accomplished during each data refresh. The internal calculation (as opposed to using the device alarm parameter) is necessary due to delays in device computation of pit temp alarms in certain situations and to enable user customization of alarm behavior. This internal algorithm ensures you are immediately alerted if the pit temp exceeds the alarm threshold (high or low).



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The default alarm threshold is set to 10°F and can be modified on the *Pit Settings* menu. If the current temp scale is Celsius, the alarm threshold is displayed in Celsius.

The pit temp alarm results in the pit temp display color changing to red (above setpoint) or blue (below setpoint), a continuous aural alarm, and a flashing *PIT HI* or *PIT LO* indication on the *Pit Temp* annunciator. The aural alarm can be cancelled by tapping the *Pit Temp* annunciator. The visual annunciations are automatically reset when pit temp returns within the alarm threshold.



### 3.5.2.1. Pit Temp Warm-up Mode

A pit temp warm-up mode is available to prevent display of a low temperature warning while the pit is warming up to the setpoint temperature. Warm-up mode is off by default and can be enabled on the *Pit Alarm Settings* menu.

If warm-up mode is enabled when CyberCook is launched, the pit temp alarm logic enters warm-up mode if the pit temperature is below the warm-up mode threshold. The warm-up mode threshold is set to 50°F by default and can be changed between 25°F and 100°F (and Celsius equivalents) on the *Pit Alarm Settings* menu. While in warm-up mode, the *Pit Temp* annunciator and *Pit Status* field display WARM-UP in blue. A low temp alarm cannot be triggered while in warm-up mode.



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Warm-up mode is deactivated when the pit temperature reaches 5°F (3°C) below the pit temp setpoint. When warm-up mode is deactivated, high and low temperature alarms can be triggered.

**NOTE:** It should be noted that if CyberCook was shut down and the pit temperature fell below the warm-up threshold while the app was shut down, CyberCook will enter warm-up mode when the app is re-launched. Because the pit temp was below the warm-up threshold when CyberCook was re-launched, the app “thinks” the pit is warming up when in actuality the pit temp dropped due to other factors. Therefore, a low temperature alarm will not be triggered in this situation. While this would be a rather extreme situation during most cook sessions, users should take note of this when re-launching CyberCook during the middle of a cook session.



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## 3.5.2.2. Alarm Thresholds

Two alarm thresholds provide users with a method to “tweak” behavior of the pit temperature alarms. These thresholds are the *Reactivate* threshold and the *Reset* threshold.

Both of these thresholds are deactivated by default but can be enabled on the *Pit Alarm Settings* menu.



### Reset Threshold

The *Reset* threshold helps prevent nuisance alarms when the pit temperature is hovering along the pit temp hi or low alarm threshold. It is common for the pit temp to vary by a few tenths of a degree during each data refresh. If that temperature is varying just above and below the alarm threshold during these data refreshes, the pit temp alarm (high or low temp) will reset when it drops below the reset threshold, then be reactivated when it rises beyond the threshold. This can be a nuisance when you have adjusted the pit to correct the temperature but it takes some time for the pit to respond. The *Reset* threshold can be used to help eliminate these nuisance alarms.

The *Reset* threshold can be set between 1°F and 5°F (1°C and 3°C) on the *Pit Alarm Settings* menu.



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The *Reset* threshold attempts to eliminate nuisance alarms by changing the temperature that the pit temp alarm (high or low temp) is reset. When the *Reset* threshold is set to OFF, the alarm is reset as soon as the temperature is back within the alarm threshold (for example, 10°F). When a *Reset* threshold is set, the alarm is not reset until the pit temp falls below the alarm threshold minus the *Reset* threshold.

For example, if the alarm threshold is 10°F and the *Reset* threshold is set to 3°F, the alarm is not reset until the pit temp falls within the corrected alarm threshold of 7°F (10° - 3°). This effectively prevents nuisance alarms as the pit attempts to correct back to the setpoint.

You may need to experiment to find the optimum *Reset* threshold based on the characteristics of your pit.

## Reactivate Threshold

The *Reactivate* threshold provides an additional level of safety when a pit temp alarm (high or low) is generated and you cancel the aural alarm. If the temperature continues to rise (high temp alarm) or fall (low temp alarm), the aural pit temp alarm is triggered a second time when the temp reaches the *Reactivate* threshold.

The *Reactivate* threshold can be set between 1°F and 10°F (1°C and 6°C) on the *Pit Alarm Settings* menu.



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For example, if the alarm threshold is set to 10°F and the *Reactivate* threshold is set to 5° F, a second pit temp aural alarm is triggered when the pit temp reaches 15°F from the setpoint (10° + 5°). Once the aural pit temp alarm is triggered at the *Reactivate* threshold, no further aural alarm will be triggered unless the *Reactivate* threshold is changed on the *Pit Alarm Settings* menu.

**NOTE:** If the temperature is beyond the *Reactivate* threshold the first time a temp alarm is activated, the aural alarm will be reactivated on the next display refresh if the temp is still beyond the *Reactivate* threshold.

You may need to experiment to find the optimum *Reactivate* threshold based on the characteristics of your pit.

### 3.5.2.3. Alarm Smoothing

Alarm smoothing provides an additional way to help prevent nuisance pit temp alarms. Alarm smoothing is deactivated by default but can be activated on the *Pit Alarm Settings* menu. When alarm smoothing is activated, pit temps are only smoothed when a high or low temperature alarm has been activated. In other words, high or low temperature alarms are always generated based on the current raw pit temp, but smoothing can be used to help prevent additional (nuisance) alarms after an alarm has been triggered. After the pit temp returns within the alarm threshold, smoothing is automatically disabled until the next alarm is triggered.



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**NOTE:** Alarm smoothing can only be turned on if the display refresh interval is set to 60 seconds or less.

Most pits don't require alarm smoothing. The prevention of nuisance alarms can normally be accomplished using only the *Reset* threshold discussed above.

Alarm smoothing works to prevent nuisance alarms as the pit temp hovers near the alarm threshold by computing a weighted average pit temp based on a set number of temperature snapshots from the past. The number of snapshots and the aggressiveness of smoothing can be adjusted by changing the *Span Interval* and *Smoothing Gain* on the *Pit Alarm Settings* menu.



The *Span Interval* and *Smoothing Gain* determine how far in the past the smoothing algorithm tracks the pit temperature. The *Span Interval* determines the maximum interval that the smoothing algorithm “looks” into the past to compute the smoothed pit temp. The *Smoothing Gain* allows the user to adjust the aggressiveness of smoothing by providing a coefficient to determine the number of temp snapshots used by the smoothing algorithm.

For example, if the *Span Interval* is set to 5 minutes and the *Smoothing Gain* is set to High, the smoothing algorithm uses all pit temperatures saved from the previous 5 minutes. If the *Smoothing Gain* is set to Medium, the smoothing algorithm only uses those snapshots from the previous 2 ½ minutes.



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You may need to experiment to find the optimum alarm smoothing settings based on the characteristics of your pit.

### 3.5.3. Food Done Alarm

Independent food *Done* alarms are available for each food probe. Food alarms are triggered by an internal algorithm and are calculated during each data refresh. The food *Done* alarm is triggered when the associated food temp reaches the associated food probe temp setpoint.



The food *Done* alarm results in the associated food temp display color changing to yellow, a continuous aural alarm, and a flashing *FD X Done* indication on the *Food Temp* annunciator. The aural alarm can be cancelled by tapping the *Food Temp* annunciator. The visual annunciations are automatically reset when pit temp returns within the alarm threshold.

Multiple simultaneous food *Done* alarms are indicated on the *Food Temp* annunciator by displaying each food for which an alarm has been triggered, each on a subsequent line on the annunciator. If a second or third alarm is triggered after the aural alarm has been cancelled for previous food *Done* alarm(s), the aural alarm sounds again to provide notification that a subsequent food *Done* alarm was triggered.



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## 3.5.4. Pit Timer Alarm

Aural and visual alarms are triggered when the pit timer expires. The pit timer alarm is triggered regardless of the timeout action on the *Pit Timer Settings* menu. Action taken on the pit is dependent on the current CyberQ device timeout action setting. The pit timer alarm consists of a continuous aural alarm, a flashing timeout action on the *Timeout Action* annunciator and a flashing *Expired* indication in the *Timer* window. The aural alarm is cancelled and the timer reset by tapping the *OK* button on the *Timer Expired* visual alert dialog.

**NOTE:** The pit timer display on the app and the device may differ by a few seconds due to the time it takes for the timer start command to be transmitted to the device.

## 3.5.5. Probe Saver Alarm

The maximum design temperature for the CyberQ temperature probes is 475°F (246°C). Operating above this temperature may result in probe failure. Because some pits (such as ceramic Kamado style cookers) are designed to operate above this temperature, a *Probe Saver* alarm alerts you if your pit temperature reaches 25°F below this limit (450°F/232°C). The *Probe Saver* alarm consists of a flashing red annunciator displayed above the pit temperature control panel. The high pit temperature aural alarm also activates when the *Probe Saver* alarm activates. The aural alarm is cancelled by tapping the *Probe Saver* annunciator.





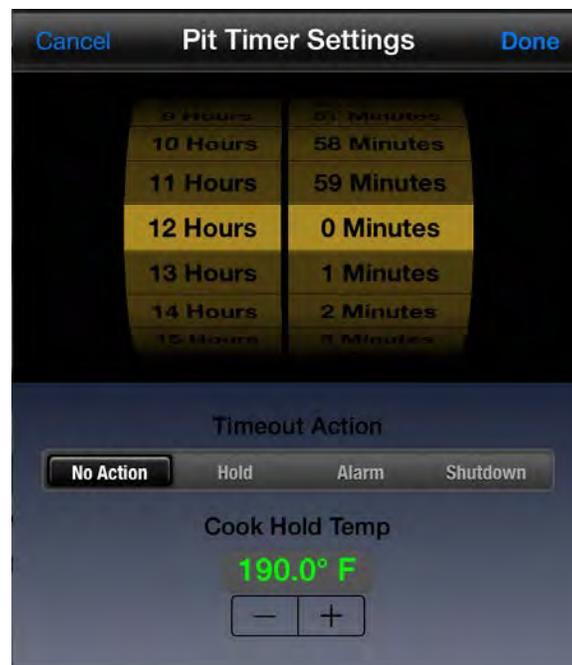
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The *Probe Saver* annunciator is removed from the *Control Panel* display when the pit temp decreases below 450°F (232°C).

## 3.6. Pit Timer

The pit timer settings on the CyberQ device can be remotely set and monitored from CyberCook. The *Pit Timer* menu cannot be displayed when no connection is available to the CyberQ device.



When the app is launched or after a lost connection is regained, the app synchronizes the pit timer with the CyberQ device. This includes time left, timer status (running vs. not running), timeout action and cook hold temperature.

If the pit timer is running on the device when CyberCook is launched, the pit timer within CyberCook is initialized and begins running in parallel with the timer on the device. If the timer was running when the app went to the background and the app calculates that the pit timer expired while the app was in the background, the pit timer expired alarm is triggered immediately when CyberCook is re-launched. Because of iOS limitations, the app cannot trigger the pit timer alarm while in the background. If you anticipate exiting CyberCook while using the pit timer



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on the device it is recommended that you turn on the alarm beeps on the device so you will receive a warning when the timer expires on the device.

Tapping the *Timer* display on the app annunciator displays the *Pit Timer Settings* menu. Timer settings including timer setting, timeout action and cook hold temperature can be set on this menu. The *Pit Timer Settings* menu cannot be displayed if the app is not currently connected to the device. Changes are sent to the device as each change is made. Tapping the *Done* button exits the *Pit Timer Settings* menu.

**CAUTION:** It is highly recommended to set the pit timer timeout action to *No Action* if not using the timer to ensure unanticipated changes to the pit are not made if the pit timer is inadvertently activated and subsequently expires.

The pit timer can be started, stopped and restarted using the *Start/Stop* buttons. The timer setting is updated on the device each time the *Start* or *Stop* button is tapped. Each time the *Stop* button is tapped, the timer on the device is set to 00:00:00 and the timeout action is set to *No Action* to prevent the device timer from affecting pit operation. When the timer is restarted, the device timer is reset to current app pit timer settings and the timeout action is reset to the value saved in internal app settings and displayed in the *Timeout Action* annunciator.

The pit timer can be reset to the saved timer setting by tapping the black *Reset* button. The pit timer *Reset* button also sets the timer on the device to 00:00:00 and the timeout action to *No Action* to prevent the device timer from affecting pit operation.

**NOTE:** Even though CyberCook changes the device timeout action to *No Action* when the timer is stopped or reset, the timeout action on the device is always set to the user-set action when the timer is started or restarted from CyberCook.



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## 3.7. Cook Session Recording

Cook sessions can be saved to a database for later review after an active cook session has been created on the *Active Cook* screen. The *Cook Session Status* annunciator displays *NO SESSION* if no cook session has been activated. It displays *SESSION ACTIVE* if a session has been activated on the *Active Cook* screen. Refer to the *Cook Sessions* section of this guide for a complete discussion on creating and activating a cook session.

Tapping the *Rec Status & Control* annunciator begins recording the cook session. A snapshot of cook session parameters is taken at the specified *Snapshot Interval*. The default *Snapshot Interval* is five minutes and may be changed on the *Refresh Intervals* menu in a range from two minutes to 15 minutes. Recording of the cook session is stopped by tapping the *Rec Status & Control* annunciator a second time. Current recording status is indicated on the *Rec Status & Control* annunciator.



Recording cannot be started if the app is not connected to the device or there is no active cook session.

Recording can be stopped and restarted at any time as long as there is an active cook session and CyberCook is connected to the CyberQ. Plot points along the session timeline where recording was stopped will not be recorded, but the plot points along the session timeline will begin again at the point where recording was restarted. The same thing will occur if your iPad enters sleep mode or the app is closed.

**Note:** If one or more temp probes are not plugged into the CyberQ device, the associated temp line(s) on the session graph will not display for those snapshots where no temperature is available. The plot line will begin again when the temp probe is plugged back in.



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If the iPad enters sleep mode or the app is closed while recording is underway, recording will automatically continue when the app is re-opened as long as the app was closed for less than 8 hours. This behavior is automatic and requires no action by the user.

Refer to the *Saved Cook Sessions* section for a complete description of cook session display features.



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## 4. COOK SESSIONS

### 4.1. Overview

Cook sessions store data about your cooks so you can review them during the cook or later at your leisure. Being able to review your cook session while still cooking can be a powerful tool in determining if adjustments are needed later in the session. They also allow you to improve your cook schedule and processes and achieve greater consistency by reviewing extraordinary detail about great cooks and perhaps some that didn't go so well.



CyberCook saves two main types of data about your cook session. Session detail provides general session information such as event name, date, BBQ pit used, charcoal and wood types. Pit parameters allow you to save and view detailed information about pit and food performance such as individual temps and setpoints along the entire timeline of your cook session.

Saved cook sessions are saved in the database indefinitely and can be deleted by the user on the *Saved Cooks* screen. Cook sessions are never deleted automatically.



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## 4.2. Active Cook Session

Cook session detail information is entered on the *Active Cook* screen, selected on the bottom tab bar.

### 4.2.1. Cook Session Detail Information

Tapping the *Event* field allows you to enter a name to identify your cook session. Tapping the *Date* field displays a date “picker” that allows you to save the date of the cook. The date field initializes to the current date, but you can select any date you want. The *Location* and *Weather* fields allow you to enter additional session information about these items.

The *Pit*, *Charcoal*, and *Woods* fields allow you to enter the BBQ pit, charcoal brand and type, and smoking woods you used during your cook. Tapping each of these fields displays a similar data entry menu where you can enter the appropriate data. Each menu includes a “picker” that is pre-populated with common data for the associated field. To enter data into the field, spin the picker until the desired data is displayed in the light-colored selection indicator. Each time you select a piece of data, it is automatically added to the associated field for you.



You can also add your own custom data to the picker by tapping the green *Add* button on the toolbar at the bottom of the menu. To add data, tap the white field to display the keyboard and enter the desired data, then tap the green *Add* button to the right of the field. Tapping the *Add* button adds the new data to the picker, and



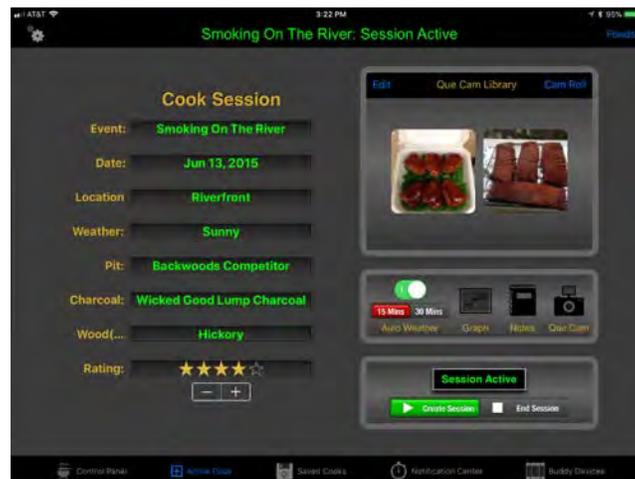
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automatically selects it in the picker and field. User-entered data is saved to the picker data source for future use.

To delete an entry from the picker, select the desired entry and tap the red *Delete* button on the toolbar at the bottom of the menu. When you tap the *Delete* button, the current picker selection is automatically populated in the field. Tap the gray *Delete* button to delete the entry from the picker and the picker data source.

You can enter a rating for the session using the *Rating* stepper. The session rating can be set from zero to five stars.



## 4.2.2. Weather Snapshots

If CyberCook is connected to a Wi-Fi network with an Internet connection, weather information for your location can be automatically downloaded while recording a cook session. Weather snapshots are saved to the session database and are plotted on the session graph based on outside air temperature. Tapping a weather snapshot on the graph displays additional information about the weather at that time including humidity, sky condition, precipitation, etc.

To enable weather snapshots, turn the *Auto Weather* switch ON and select the desired weather snapshot interval (15 minutes or 30 minutes).



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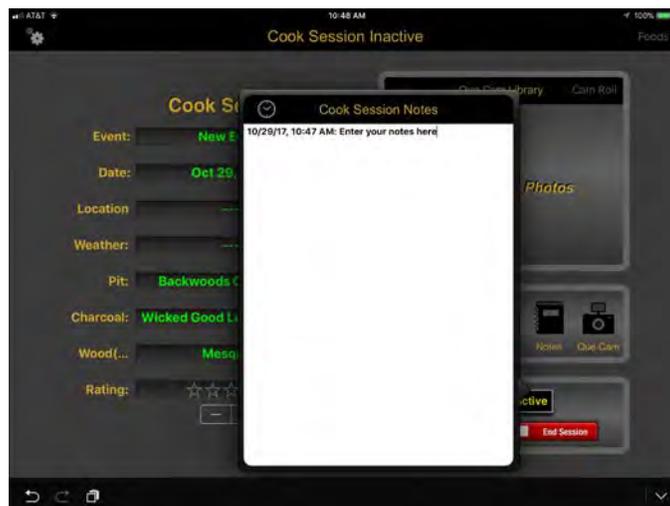
## 4.2.3. Session Graph

A graph depicting the current active session is accessed by tapping the *Graph* button. Refer to the *Cook Session Graphing* section of this guide for additional information.



## 4.2.4. Notepad

You can enter notes about the cook by tapping the *Notes* button. Tap the clock icon on the toolbar to add a timestamp to the notepad at the current cursor position.





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After entering desired data into the notepad, tap anywhere outside the notepad to dismiss the notepad.

## 4.2.5. Que Cam Library

CyberCook provides the ability for you save photos to your cook session. You can take photos using the built-in Que Cam or import photos from your iPad camera roll. Session photos are in the *Que Cam Library*. Tapping a photo in the *Que Cam Library* displays the photo in full size.

Refer to the *Photos* section of this guide for additional information.

## 4.2.6. Resetting Picker Data

The Pit, Charcoal, and Wood(s) pickers are pre-populated with commonly used values that can be deleted if desired. You can reset picker data to the saved defaults if desired. Resetting picker data will keep any custom-entered values. This means that after reset, the picker will display all default values plus any custom values you have entered.

To reset picker data to the saved defaults, open the *Reset Picker Data* menu from the *Active Cook Settings* menu.

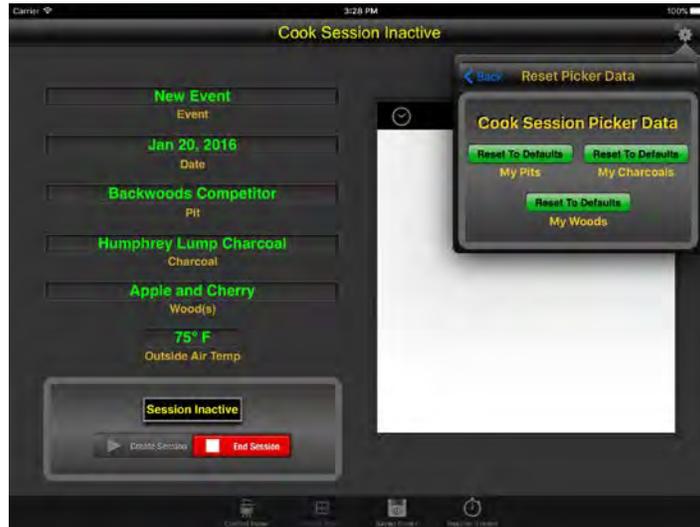




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Tap the *Reset* button for the picker you want to reset the data for, then tap *Reset* again to confirm the action.



## 4.3. Creating A New Cook Session

When you first select the *Active Cook* screen, cook session information is pre-populated with a generic event name (“New Event”) and the current date. All other fields except *Location* and *Weather* are pre-populated with the data from the last saved cook session.

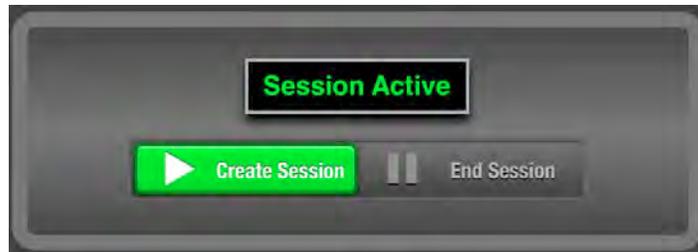




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Once you have entered the information for your cook session, you are ready to create an active cook session. You must create an active cook session before you can begin recording the session. Session information can be modified after you create the cook session or while you are recording. Refer to the *Saved Cook Sessions* section for instructions on how to change session information after ending the cook session. To create a cook session, tap the *Create Session* button. Creating a cook session saves the session to the database and allows you to start recording.



After you tap the *Create Session* button, the session status annunciator will display *Session Active* and the title on the *Active Cook* screen will display the session name and indicate that the session is now active.





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Once you have created a cook session you can begin recording by tapping the *Rec Status & Control* annunciator on the *Control Panel* screen. Recording will continue until you tap the *Rec Status & Control* annunciator a second time.



To end the active cook session, tap the *End Session* button. To prevent you from inadvertently ending a session that you are not finished with, you will be prompted to confirm you want to end the session. Tapping *End Session* will end the current cook session and set up a default session for later use.





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If you attempt to end a session while recording is underway, an alert dialog will display a warning that recording will be stopped and all notifications will be cancelled in the *Notification Center*.



If the iPad enters sleep mode or the app is closed while a cook session is active, the cook session will remain active when the app is re-launched as long as the app has been asleep for less than 30 hours. If recording was underway, it will re-start automatically when the app is re-launched.



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## 4.4. Reactivating a Cook Session

You can reactivate a previously saved cook session if recording of the saved session was started less than 30 hours ago. A session can only be reactivated if there is currently no active session.

The primary reason to reactivate a session is if you inadvertently ended a session that you were not finished with. To reactivate a session, open the *Active Cook Settings* menu on the left side of the top toolbar, then tap *Reactivate Cook Session*.



Only sessions less than 30 hours old are displayed in *Reactivate Cook Session* menu. Tap the desired session to reactivate it. Selecting a session for reactivation will load its data and automatically make it the active session. Once a session is reactivated you can begin recording again.





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## 4.5. Saving Favorite Session Settings

There may be certain cooks that you do quite often. By saving the settings for these cooks, you can quickly and easily set up your CyberCook and CyberCook for a particular type of cook. Favorite session settings are accessed on the *Active Cook Settings* menu.



Favorite session settings are derived from the current active cook session. The following session settings are saved:

1. Pit setpoint
2. All food probe setpoints
3. Charcoal and smoking wood(s)
4. Recording snapshot interval
5. Pit temp alarm threshold
6. Fan cycle time
7. Proportional band
8. Ramp mode
9. Open lid detection
10. Alarm beeps
11. Key beeps
12. Pit timer setting
13. Pit timer timeout action
14. Pit timer cook hold temp

To save favorite settings, tap *Save Active Session Settings* on the *Active Cook Settings* menu while there is an active session containing the



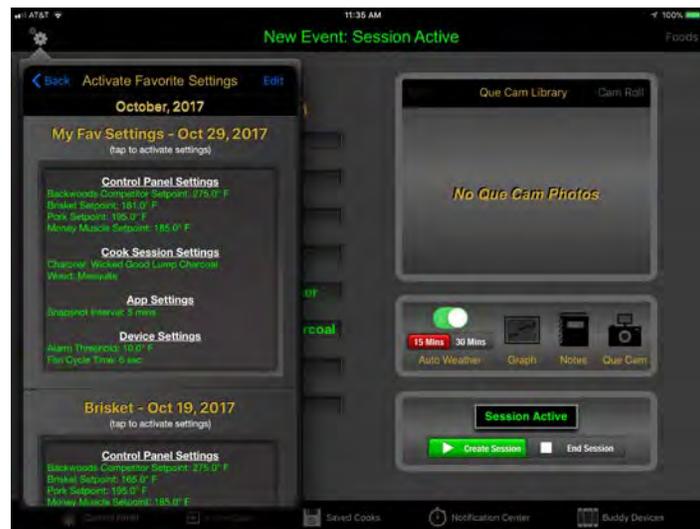
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settings you want to save. Enter the name you want to use for these settings and tap *Save Settings*.



Your settings are now saved and can be accessed on the *Activate Favorite Session Settings* menu.



You can scroll the table to view all saved favorites. Scroll within each session to view all of the settings within a particular set. To activate favorite settings, ensure you have an active cook session, and then tap the favorite settings you want to activate. Tap *Activate* on the confirmation dialog to confirm the activation.



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Tapping *Activate* updates the CyberQ device, modifies the active cook session and updates app settings with the saved settings.

To delete favorite settings you no longer need, tap the *Edit* button, tap the red selection dot next to the settings to be deleted, and then tap the red *Delete* button. Tap the *Done* button when finished.



## 4.6. Food Detail Screen

Tap the *Foods* button on the top navigation bar on the Active Cook screen to enter information about each of the foods associated with the three CyberQ food probes.





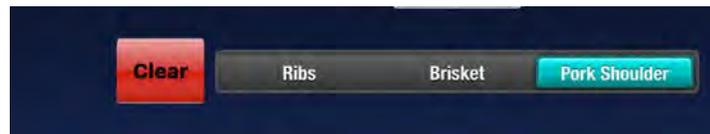
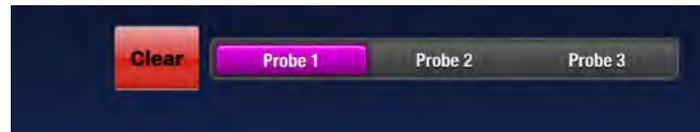
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The Food Detail screen allows you to enter food information for up to three foods.



You can enter information about each of the three foods by tapping the *Probe* selector at the bottom of the *Food Detail* screen. The *Probe* selector is initialized to Probe 1, Probe 2, and Probe 3. The probe titles change to the food names after names are entered.





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Entered food information is saved to the active cook session and can be viewed later from the *Saved Cooks Detail* screen.



All food information can be easily deleted by tapping the *Clear* button and tapping *Clear Food Detail* on the confirmation dialog.

**WARNING:** Clearing all food detail cannot be undone. All previous data will be deleted and cannot be recovered.

Tap the *Ingrid* and *Notes* buttons to enter additional information about each food.





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You can also take or import photos to associate with each food in the *Que Cam Library*. This functionality works the same as on the *Active Cook* screen.



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## 5. SAVED COOKS SCREEN

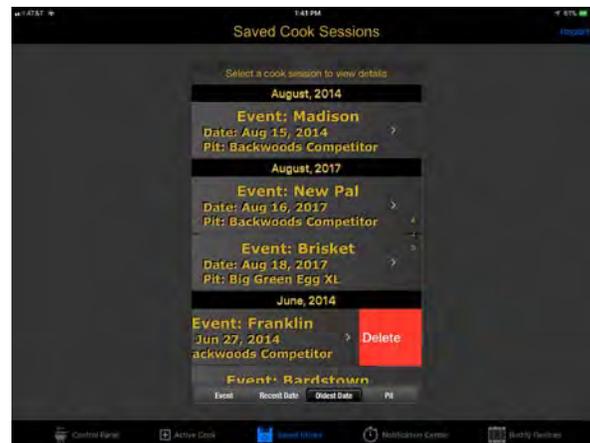
### 5.1. Viewing Saved Cook Sessions

All saved cook sessions are accessed from the *Saved Cooks* screen. Saved cooks may be sorted by event name, date, or pit by tapping the desired sort method on the control at the bottom of the cook session list. Saved cook sessions cannot be manually ordered.



The saved cook sessions list will be blank if you haven't saved any sessions to the database.

Saved cook sessions are never deleted automatically by CyberCook. To delete a saved cook session, swipe right-to-left across the desired cook session and tap the red *Delete* button.





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Saved cook sessions can be viewed while recording is still underway for the current cook session or any time after a cook session has ended.

## 5.2. Cook Session Detail

Selecting a saved cook session displays the *Session Detail* screen.



The *Session Detail* screen displays the details that you entered about your cook session, including photos and session notes. Session details can also be edited from this screen.

The *Session Detail* screen also displays all photos that you added to your session. Photos can be added from your iPad camera roll or by taking a picture using the *Que Cam*. Refer to the *Photos* section of this guide for additional information.

Tapping a photo displays it full-size. Photos can be deleted from the session using the *Que Cam Library Edit* button.

The session graph can be displayed by tapping the *Graph* button. Refer to the *Cook Session Graphing* section of this guide for additional information.

A session report can be exported in several different data formats by tapping the *Export* button. Refer to the *Exporting Cook Sessions* section of this guide for additional information.



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## 5.3. Food Detail

CyberCook allows you to save detail about each of the foods associated with the three CyberQ food probes. Tap the *Food Detail* button on the *Session Detail* screen to access the *Food Detail* screen.



Details for each of the three foods can be viewed and edited on the *Food Detail* screen. Tap the probe selector control to switch between the three foods. Tap the *Clear* button to delete all food detail for all three foods.

**WARNING:** Clearing all food detail cannot be undone. All previous data will be deleted and cannot be recovered.

Ingredients detail and food notes can also be viewed and edited on the *Food Detail* screen.

Photos can be added to each food by taking a photo using the *Que Cam* or by importing from your iPad camera roll.



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## 6. COOK SESSION GRAPHING

CyberCook includes a powerful and customizable graphing function that provides valuable information about your cook session. Session graphs can be viewed while recording is still underway for the active cook session or any time after a cook session has ended.

### 6.1. Accessing Session Graphs

Cook session graphs can be accessed in three ways. Each way provides the same graphing functionality.

#### Control Panel

Tapping the *Graph* button on the *Control Panel* screen provides quick access to the session graph for the active cook session. If recording is underway for the active session, the graph will automatically update as new snapshots are recorded.





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If desired, the graph can be configured to automatically display at the end of the graph timeline. This prevents you from having to scroll to the end of the graph every time you want to view session progress during an active cook. *The Scroll Active Session Graph To End* setting can be enabled on the *Misc Settings* menu accessed from the *Control Panel Settings* menu.



## Active Cook

The graph for the active cook session can also be viewed by tapping the *Graph* button on the *Active Cook* screen.





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## Saved Cooks

The graph for any saved cook session can be viewed by tapping the *Graph* button on the *Saved Cooks Session Detail* screen.





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## 6.2. Viewing Session Graph

Session data is displayed graphically across the entire cook session timeline. The following session data is displayed on the session graph:

- Pit temperature and setpoint
- Probe temperature and setpoint for each of the three food probes
- Weather information downloaded from the Internet
- Fan output
- Custom user-entered session events

You can scroll along the entire timeline by using your finger to slide the graph left and right. You can zoom the graph in and out by pinching with two fingers.

The graph can be configured to display color-coded shading between the pit temperature and pit setpoint. Blue shading indicates the pit temperature is below the setpoint while red shading indicates the pit temperature is above the setpoint. The shading can be toggled on and off on the *Plots* menu. Shading is not available for food temperatures.



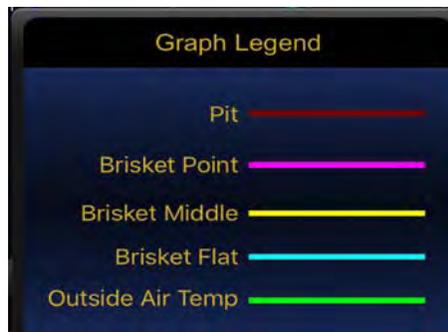


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## 6.2.1. Graph Legend

Tapping the  button displays a legend that indicates the color used for each temperature line. The legend labels are customized using the user-entered food names for easy identification and association. The same color is used for both the actual and setpoint temperatures for the pit and food temperatures. The actual temperature lines are solid while the setpoint lines are dashed for easy identification.



## 6.2.2. Fan Output

You can plot fan output over the entire timeline to correlate fan operation with pit temperature. This may be useful in determining the fuel state of your pit. Tap the *Fan Output* button to plot fan output.





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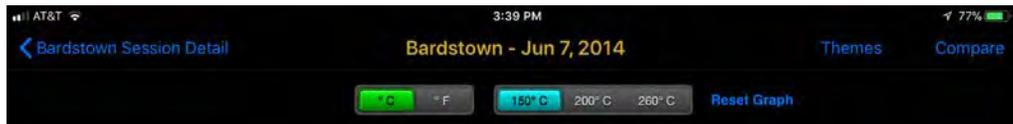
## 6.2.3. Upper Temp Limit

Temperatures that are above the graph upper temperature limit (400° F by default) are not drawn. However, the graph support three selectable upper temperature limits (300° F, 400° F and 500° F, and their Celsius equivalents). Tapping a new upper temperature limit on the temp limit control redraws the graph using the new upper temp limit. The graph will remain at the current position on the timeline after it is redrawn.



## 6.2.4. Temperature Scale

The graph is initially drawn in the current temperature scale (Fahrenheit or Celsius). Tapping the temp scale control located at the lower right corner redraws the graph in the selected temp scale without having to change the active temp scale on the *Settings* menu.





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## 6.3. Zooming Graph

The graph can be zoomed in and out by “pinching” with two fingers to show more or less detail. To return to the default scale, tap the *Reset Graph* button.



## 6.4. Resetting Graph

Tapping the Reset Graph button resets the graph to the default zoom scale and returns it to the beginning of the graph timeline.



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## 6.5. Customizing Plots

You can de-clutter the graph by tapping *Plots* button at the bottom of the graph. Tapping the *Plots button* displays a menu where you can select each graph plot on or off individually, effectively de-cluttering the graph. The switch labels for each food probe are customized to the user-entered food name. If no name has been entered, the default names (e.g. Probe 1/2/3) are used.



## 6.6. Snapshot Detail

Each recorded snapshot is plotted along the entire cook session timeline. Plot points are recorded at the time interval set by the *Snapshot Interval* setting on the *Refresh Intervals* menu. Additional detail for each plot point is displayed by tapping any red plot point on the pit temp line.





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The snapshot detail menu provides detailed information for the pit and each food probe at the moment the plot was recorded. Pit data is always displayed on this menu. Tapping the food probe control at the bottom of the menu controls the display of details about the associated food probe. The food probe control and food probe label are customized with user-entered food names.

## 6.7. Weather Detail

Outside air temperature is plotted in green for each weather snapshot downloaded from the Internet. Weather detail for each weather snapshot is displayed by tapping on the green weather plot point.





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## 6.8. Session Events

Session events can be added at any point on the graph. Session events are added at the point on the graph that you tap. To add a session event, tap the graph at the desired point and hold for one second. Enter any desired text, select plot point color and tap *Add Event* to add the event to the session.



Session events are displayed by tapping on the event plot point. After displaying the session event, you can edit the text or delete the event.





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## 6.9. Graph Themes

CyberCook provides the ability to select from five different graph themes. To select a new theme, tap the *Themes* button and tap the desired theme. The graph is immediately redrawn using the selected theme.



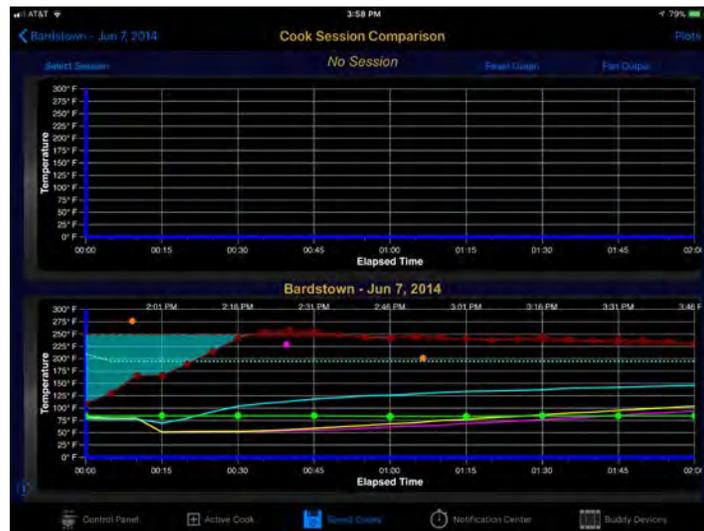


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## 6.10. Comparing Graphs

Sometimes it can be useful to compare a session to a previous similar session to compare progress. CyberCook provides the ability to compare two cook session graphs onscreen at once. To compare session graphs, tap the *Compare* button on any graph screen.



The session graph displayed on the graph screen is displayed on the bottom graph. Tap the *Select Session* button to display the complete list of saved cook sessions.

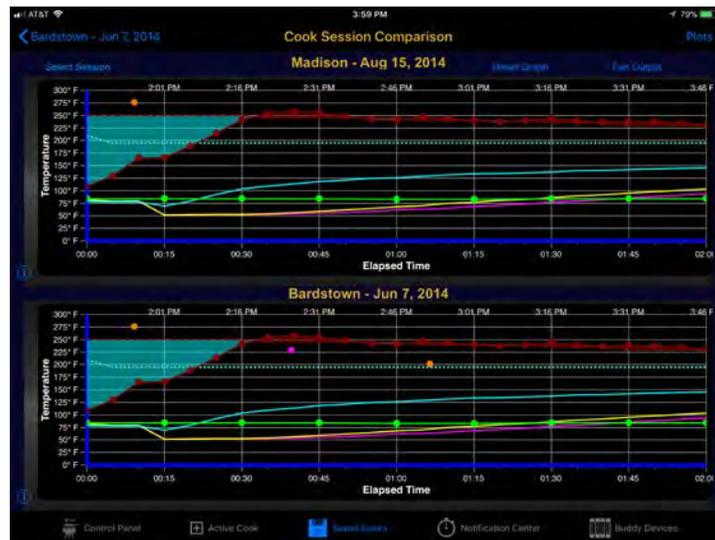




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Tapping any session displays the selected session on top graph.



Each session graph can be scrolled and zoomed independently. Tap the *Reset Graph* button to reset both graphs to the default zoom scale and return to the beginning of the session timeline.



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## 7. IMPORTING COOK SESSIONS

Cook sessions saved on another device can be imported using iTunes file sharing or directly from a buddy device (iPad or iPhone) via a Wi-Fi or Bluetooth connection.

This section discusses both import methods.

### 7.1.Importing from iTunes

Cook sessions can be imported from iTunes by tapping the *Import* button on the *Saved Cooks* screen.



Sessions must be in the PLIST data format in order to be imported. Sessions that have been saved to CyberCook in PLIST format are displayed on the *Import Cook Session* menu.



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To make a session available for import, accomplish the following steps:

1. Export a session in PLIST format from another device (iPad or iPhone) running CyberCook. Refer to the *Exporting Cook Sessions* section of this guide for instructions on how to export cook sessions.
2. Send the exported session to your laptop or desktop computer via email, Dropbox, etc. or from iTunes file sharing.
3. Connect your iPad to your laptop or desktop computer via Lightning connector.
4. Open iTunes on your laptop or desktop computer and select your iPad from the iTunes Device list.
5. Select the *File Sharing* panel on the left panel and then select CyberCook on the *Apps* panel.
6. Drag the session PLIST file into the *Cybercook Documents* panel.
7. Launch CyberCook on your iPad and tap the *Import* button on the *Saved Cooks* screen. Your new session should now be displayed on the *Import Cook Session* menu.
8. Tap the session you want to import.
9. The imported session should now be visible on the *Saved Cook Sessions* list.





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## 7.2. Importing from Buddy Device

Cook sessions can be imported from other iOS devices (iPad or iPhone) running CyberCook. This can be useful when you want to add a session recorded on one device to another device or when you buy a new device and don't want to lose previously recorded sessions.

Cook sessions can be imported using a Wi-Fi or Bluetooth connection. Wi-Fi is used automatically if both devices are connected to the same Wi-Fi network. To connect via Bluetooth, turn Wi-Fi off on both devices in the iPad/iPhone Settings app.

To connect to a buddy device, launch CyberCook on both devices.

On the device you want to transfer a session to, tap the Buddy Sessions screen on the bottom tab bar. Tap the *Browse Buddies* button to search for the other device. Tap on the device you want to connect to.

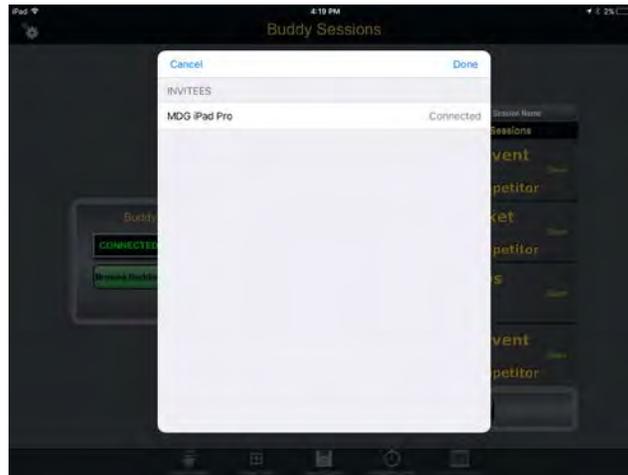




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Tap *Done* after the connection is established.



After a short delay, the device that you are transferring session(s) to will display *Connected* and a list of sessions on the buddy device will be displayed.

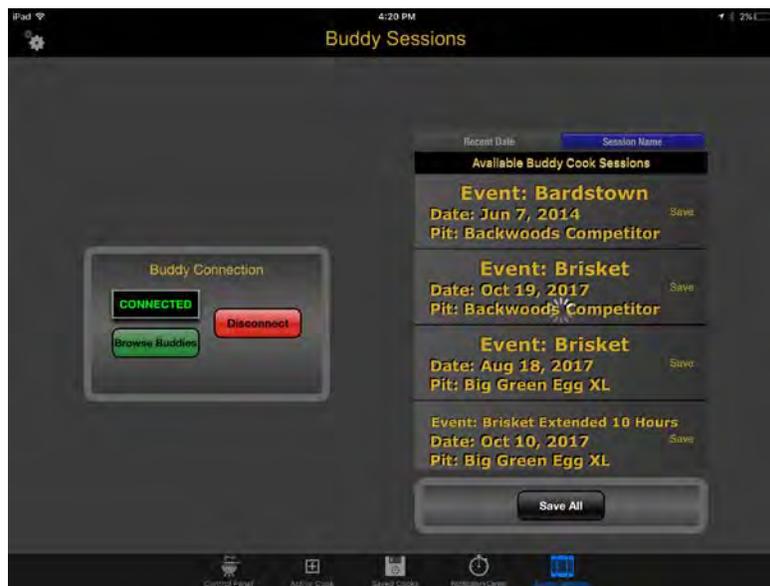




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To save a single session, tap the desired session in the session list. An activity indicator shows import progress. Depending on the length of the session and amount of data being transferred, it may take some time to import the session. The import operation occurs on a background thread, so you can leave the *Buddy Session* screen and continue to use CyberCook while the import is in progress. **Do not close CyberCook while an import is in progress.**

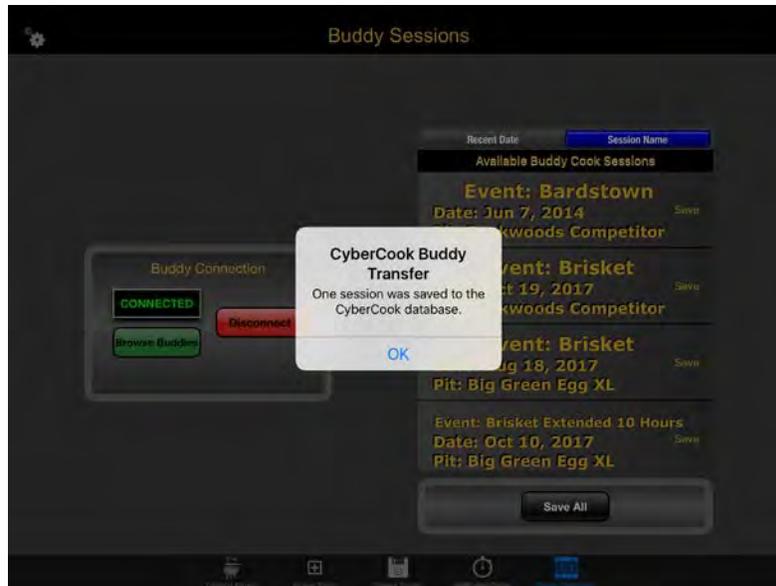


An alert will notify you when the import has completed.

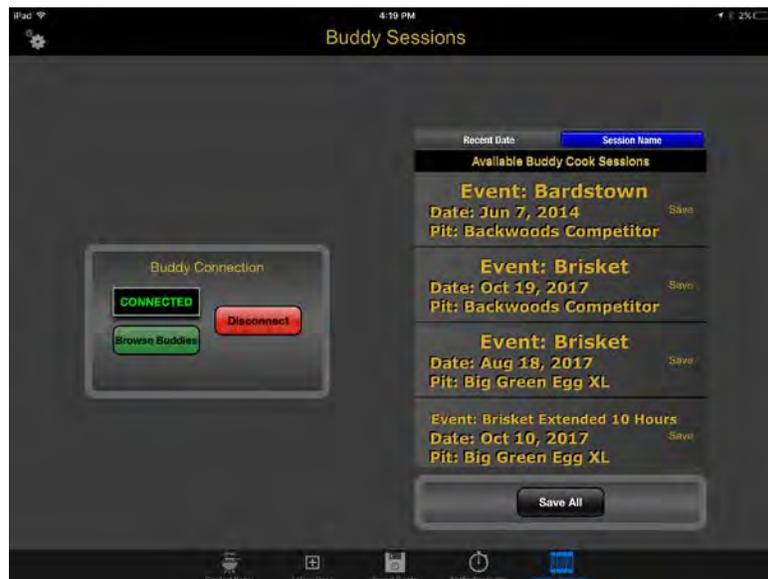


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You can also import all sessions from the buddy device at once by tapping the *Save All* button. Keep in mind that this might take quite some time if you are importing a lot of sessions, especially if they contain photos.



To disconnect from the buddy device, tap the *Disconnect* button or close CyberCook. Do not disconnect while an import is in progress.



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## 8. EXPORTING COOK SESSIONS

### 8.1. Overview

CyberCook can generate a PDF report for your cook sessions or export the cook session in CSV, XML or PLIST data formats. You can customize the data exported on the *Export Settings* menu.

To export a session, tap *Saved Cooks* on the bottom tab bar, then tap the desired session to display the *Session Detail* screen.

Export options are displayed by tapping the *Export* button on the *Session Detail* screen.



**IMPORTANT:** Before you export a session, verify that the export settings are set for the file type and data that you want to export.



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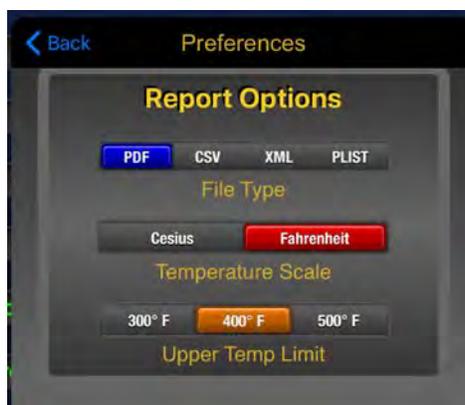
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## 8.2. Export Settings

The *Export Settings* menu allows you to select the type of report and the data you want to export.



The *Report Options* section allows you to select the file type of the report. Session reports can be exported in PDF, CSV, XML and PLIST formats. The upper temp limit and temperature scale are also selected in this section.

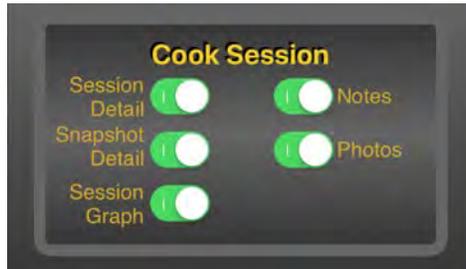




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The *Cook Session* section allows you to select the types of session information you want included in the report.



The *Foods* section allows you to select the types of food detail information you want included in the report.



Export settings controls are automatically configured based on the report type. For example, the session graph and photos can't be exported in CSV format, so the *Photos* and *Session Graph* buttons are disabled when the file type is set to CSV.





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## 8.3. Save to iTunes

You can save a session to iTunes by tapping *Save To iTunes* on the *Export* menu. Saving a session to iTunes first saves the session to your iPad. This session can then be imported into iTunes when you connect your iPad to a laptop or desktop computer via a Lightning connector.



Saving to iTunes saves the report on your iPad so that when you connect your iPad to a computer with a Lightning cable, the session will be available in the *CyberCook Documents* pane of iTunes. You can drag sessions in and out of the *CyberCook Documents* pane to import and export sessions from CyberCook.



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## 8.4. PDF Report

The cook session PDF report can include a variety of information, all customizable from the *Export Settings* menu. The following types of information can be included in the PDF report.

### Summary Page



### Snapshot Detail

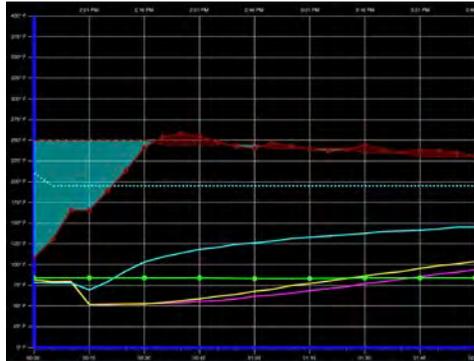
Bardstown Snapshot Detail													
Backcountry Computer				Mister Pops				Mister Mole				Mister Pig	
Time	Serial	Temp	Hum	Serial	Temp	Status	Serial	Temp	Status	Serial	Temp	Status	Status
12:00	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:05	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:10	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:15	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:20	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:25	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:30	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:35	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:40	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:45	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:50	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
12:55	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:00	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:05	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:10	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:15	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:20	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:25	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:30	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:35	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:40	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:45	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:50	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
13:55	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	
14:00	2007	18.2	OK	100	21.2	OK	2107	21.2	OK	2107	18.2	OK	



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## Session Graph



## Session Notes

**Bardstown Notes**

20 lb. Brisket from Tilman's Meat Market

Setup: Full load of BGE wood, 2 smoker boxes (cherry & hickory), Wood on top of fire ring, ceramic stone, 2 stainless rods, full-sized round pan, 24" grid, all 3 meat probes in brisket

Plan: Pre-heat BGE to 250, Smoke @ 210 until internal temp of 195, using hickory & cherry pellets/chips.

Remove brisket from fridge 4 hours before start of cook. Flubbed just before putting in BGE

8/19/17, 1:59 PM: Brisket in BGE, left @ 250 until overshoot started, then started ramping down to 210, 40 degrees at a time, by dropping it after every plateau.

8/19/17, 5:45 PM: Finally able to reduce pit set point to 210

8/19/17, 12:00 PM: Removed fan & closed bottom damper to allow meat to coast/steak down to slicing temp. Meat @ 183, 187 & 200

8/19/17, 1:12 PM: Opened lid for 15 seconds to allow heat out

8/19/17, 1:44 PM: Removed brisket and put in 125 degree oven to rest

8/19/17, 2:04 PM: Removed from oven to top of stove to rest

## Photos



## Food Detail and Notes

**Competition Brisket**  
Bardstown  
Jun 7, 2014

Food Name	White Wagyu Pastrami
Probe	Probe 2
Food Weight	17.5
Recipe	None
Source	Buchman's Prime
Map	Competition
Probe	Probe 2
Source(s)	St. Smokey Mountain
Wood(s)	Hickory
Rating	★ ★



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## 8.5. Exporting A Session

Sessions can be exported in a variety of ways depending upon the file type. To export a session, tap *Export* on the *Export Cook Session* menu.



Supported export options are displayed according to file type and include:

- Print
- Email
- AirDrop
- Dropbox
- Third party applications such as iBooks and GoodReader

Simply tap the desired export option to begin the export.





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## 8.6. Deleting Saved Files

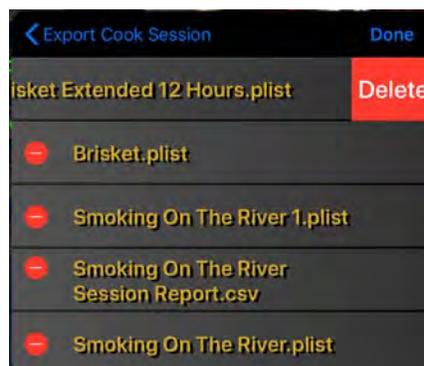
Files saved to iTunes are stored on your iPad. To delete unwanted files, tap *Delete Reports* on the *Export Cook Session* menu.



A list of saved files is displayed.



Swipe right-to-left or tap the *Edit* button, then tap *Delete* to delete the file.





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## 9. NOTIFICATION CENTER

### 9.1. Overview

The Notification Center is accessed by tapping *Notification Center* on the bottom tab bar. The notification center displays current time, provides two elapsed time timers and allows you to set up aural and visual alerts based on local time or probe temperature.



### 9.2. Current time

The current time is initialized from the current iPad time the first time the *Notification Center* screen is selected and is updated once every second.

**CAUTION:** Do not rely on the app Current Time to time your turn-ins during competition. Always use a clock that has been synchronized to the official time provided by contest officials.



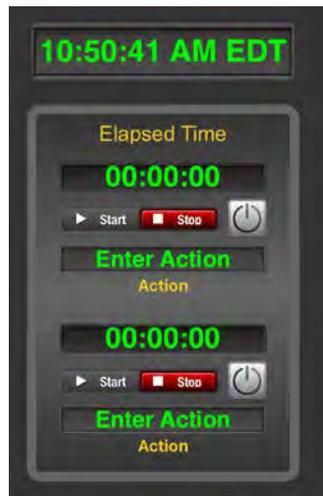


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## 9.3. Elapsed Time Timers

Two elapsed time (count-up) timers are provided to allow you to note how much time has elapsed since a certain task was accomplished. A descriptive title for each timer can be entered in the *Action* field. Because the elapsed time timers never expire (they simply count up until you stop them), no timer expiration alert is given.



To customize a timer *Action* label, tap the label field to display the keyboard and enter a descriptive action. Tap the keyboard retract key on the lower right of the keyboard to retract the keyboard after the desired label has been entered.

Tapping any *Start* button starts the associated timer. The timer can be stopped by tapping the associated *Stop* button and can be restarted by tapping the *Start* button again. Each timer is reset to the saved timer setting by tapping the associated *Reset* button.

CyberCook takes a snapshot of the current time and the time left on each timer when the app is closed or forced to the background by a system task (e.g. iMessage alert, email alert, calendar event, etc.). Although the timers cannot continue to run in the background due to iOS limitations, the app calculates the time remaining on each timer when the app is launched the next time and re-initializes each timer to the proper time.



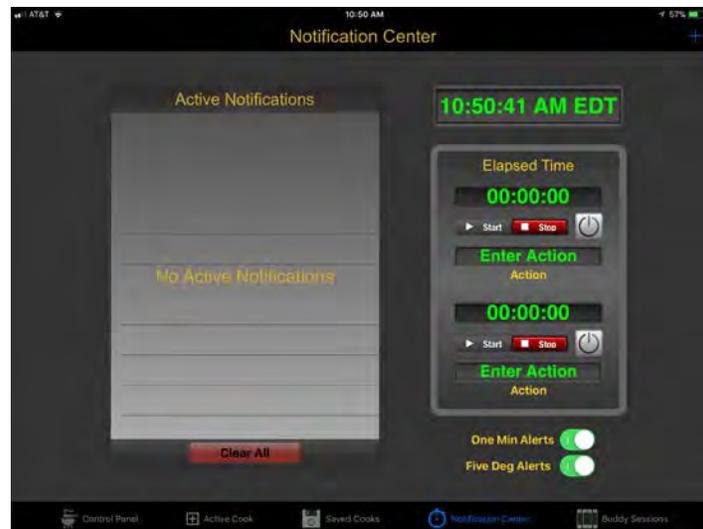
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## 9.4. Time Notifications

CyberCook provides the ability to set up aural and visual alerts at a certain time. Time notifications can be repeating or non-repeating and include a field to describe the action to be taken when the notification is received.

To add a time notification, tap the *Add* button (plus sign) on the top right of the *Notification Center* Screen.



To set up a time notification, tap *Time* on the *Notification Type* control and enter a descriptive action in the *Action* field.

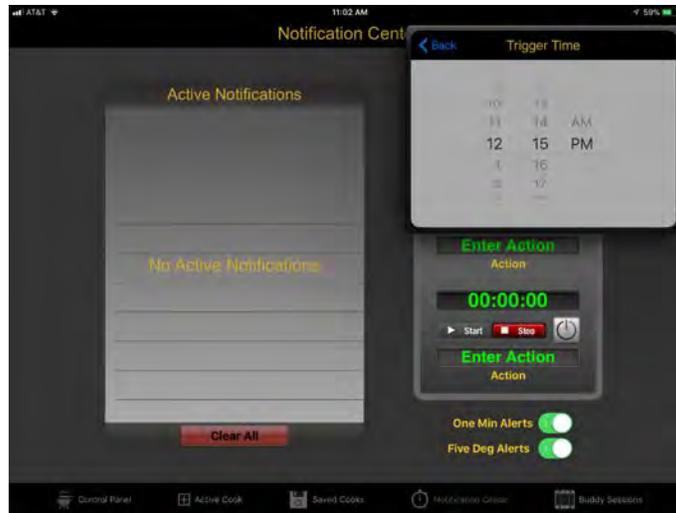




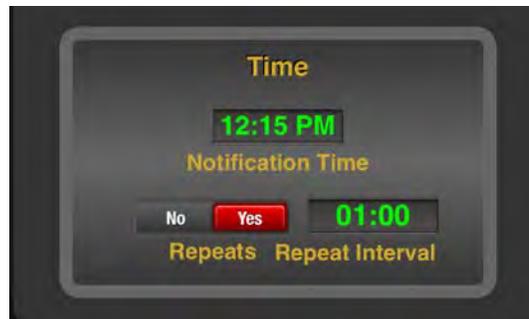
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Select the time you want to be notified (trigger time) by tapping the *Notification Time* field to display the time picker. Select the time you want to be notified and tap *Back*. The trigger time is now displayed in the *Notification Time* field.



If you want the notification to automatically repeat at a set interval, tap YES on the *Repeats* control, then tap the *Repeat Interval* field to display the repeat interval picker.





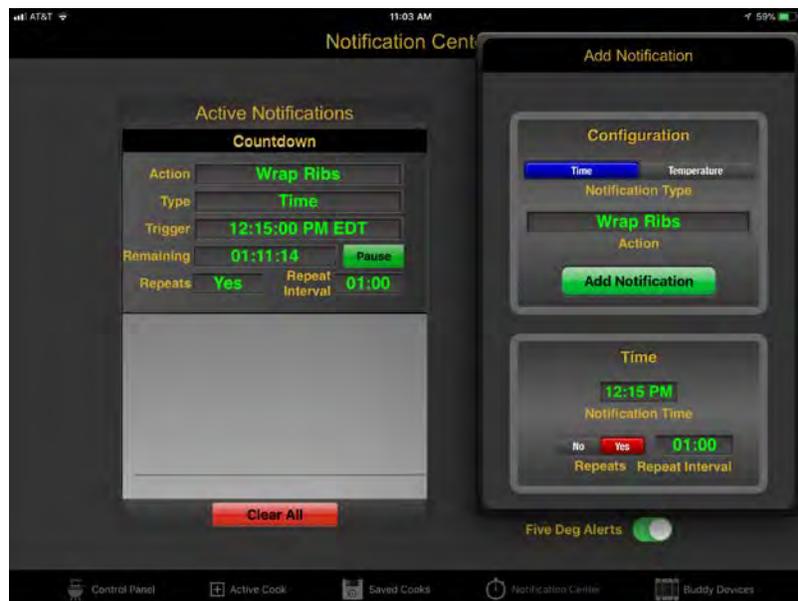
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Select the desired repeat interval and tap *Back*.



Tap the *Add Notification* button to activate the notification. The notification is now displayed in the *Active Notifications* list.





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Detailed information about the notification is displayed in the *Active Notifications List*.



Countdown Notification Panel	
<b>Action</b>	The action to take when the notification alert is received.
<b>Type</b>	The type of notification (time).
<b>Trigger</b>	The time the notification will be triggered.
<b>Remaining</b>	How much time is left until the notification will be triggered.
<b>Repeats</b>	Whether the notification will automatically repeat.
<b>Repeat Interval</b>	The time interval (in hours and minutes) in which the notification will automatically repeat.

Time notifications can be paused by tapping the *Pause* button. After pausing a notification, tap the *Run* button to restart the notification. When the notification is restarted, the trigger time is recomputed using the time remaining when the notification was paused.



If the *One Minute Alerts* switch is ON, you will receive an aural alert one minute prior to the notification being triggered. The aural alert is

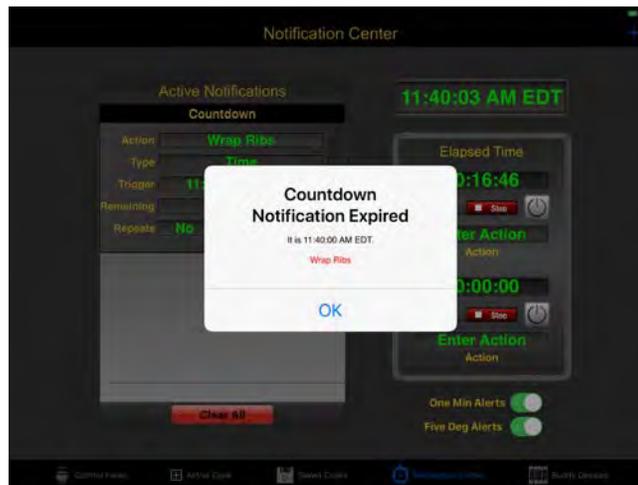


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customized to the action entered in the *Action* field (e.g. “Prepare to wrap ribs in one minute”). The time remaining in the *Remaining* field also changes to yellow.

When a time notification is triggered, an aural warning and visual alert are activated.



Tapping *OK* dismisses the alert and cancels the notification if it is non-repeating. If the alert is repeating, it is re-initialized to the repeat interval.

**IMPORTANT:** Notifications cannot be triggered while CyberCook is in the background. When CyberCook is relaunched, any time notifications still active are automatically re-initialized. If the trigger time was received while CyberCook was in the background, the notification alert will be triggered as soon as the app is relaunched.

## 9.5. Temperature Notifications

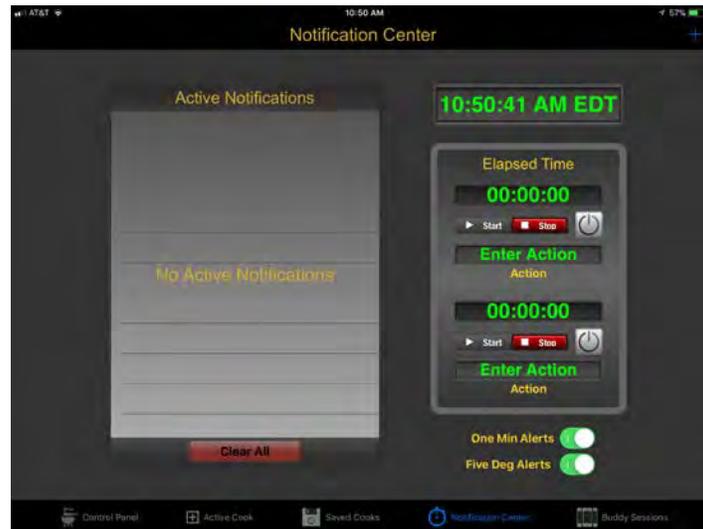
CyberCook provides the ability to set up aural and visual alerts when a probe temperature reaches the trigger temperature. Temperature notifications include a field to describe the action to be taken when the notification is received.



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To add a temperature notification, tap the *Add* button on the top right of the *Notification Center* Screen.



Select *Temperature* on the *Notification Type* control and enter a descriptive action in the *Action* field.

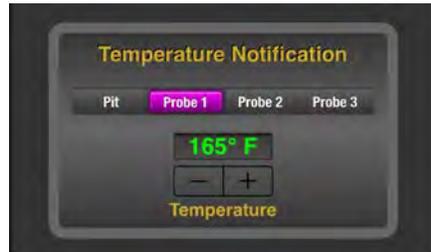




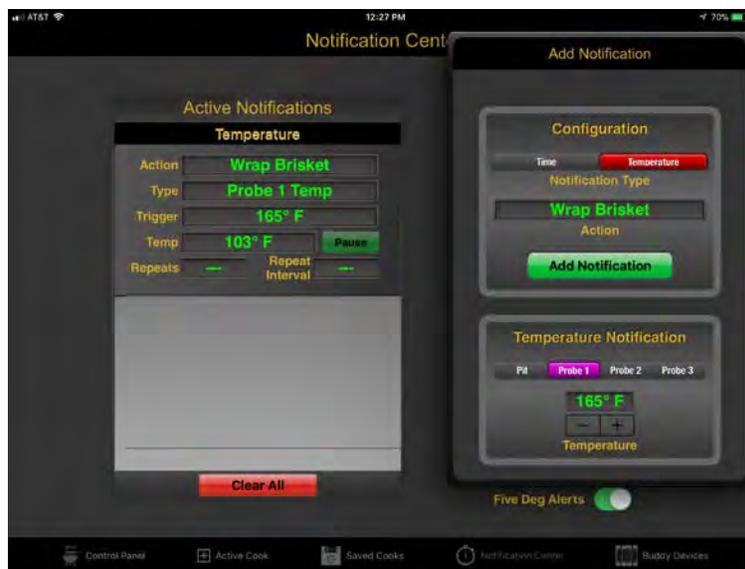
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Select the probe to associate with the notification and set the trigger temperature.



Tap the *Add Notification* button to activate the notification. The notification is now displayed in the *Active Notifications* list.





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Detailed information about the notification is displayed in the *Active Notifications List*.



Temperature Notification Panel	
<b>Action</b>	The action to take when the notification alert is received.
<b>Type</b>	The type of notification (probe temperature).
<b>Trigger</b>	The probe temperature the notification will be triggered.
<b>Temp</b>	The current probe temperature.
<b>Repeats</b>	Disabled for temperature notifications.
<b>Repeat Interval</b>	Disabled for temperature notifications.

If the *Five Deg Alerts* switch is ON, you will receive an aural alert five degrees prior to the notification being triggered. The aural alert is customized to the action entered in the *Action* field (e.g. “Prepare to wrap brisket in five degrees”). The probe temperature in the *Temp* field also changes to yellow.

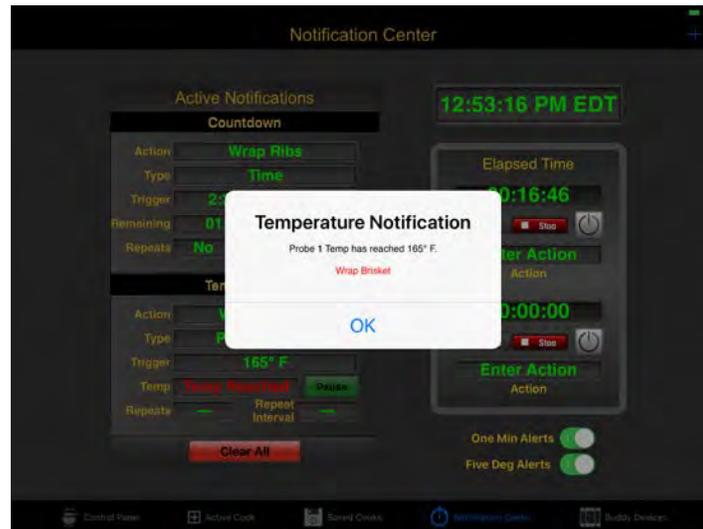




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When a temperature notification is triggered, an aural warning and visual alert are activated.



Tapping *OK* dismisses the alert and cancels the notification.

**IMPORTANT:** Notifications cannot be triggered while CyberCook is in the background. When CyberCook is relaunched, any temperature notifications still active are automatically re-initialized. If the trigger temp was reached while CyberCook was in the background, the notification alert will be triggered as soon as the app is relaunched.

9.6.



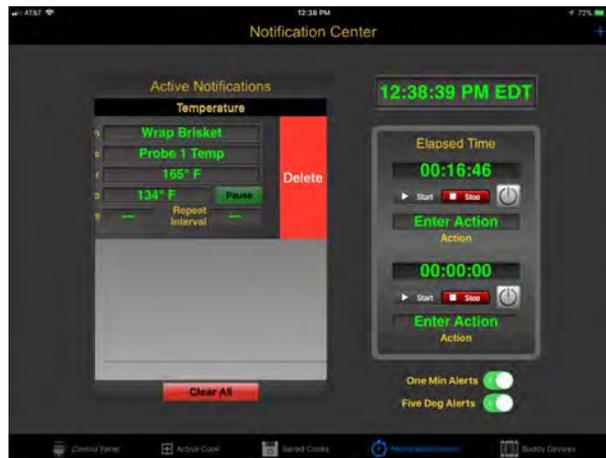
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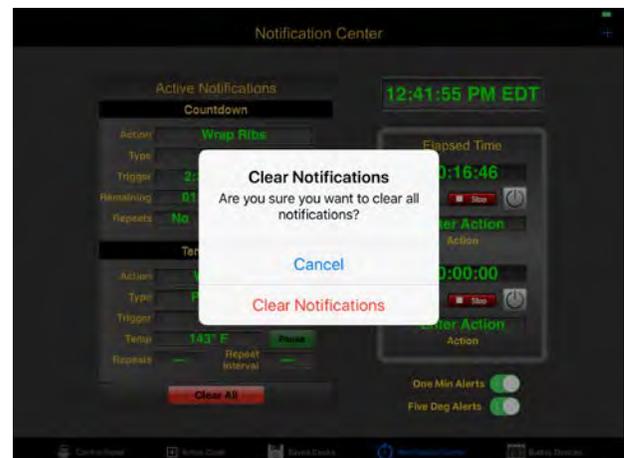
## 9.7. Cancelling Notifications

Notifications can be cancelled individually, or all notifications can be cancelled at once.

To cancel a single notification, swipe right-to-left and tap the *Delete* button.



To cancel all notifications at once, tap the *Clear All* button, then tap *Clear Notifications* to confirm. Clearing notifications cannot be undone.





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## 10. QUE CAM LIBRARY

CyberCook can save photos to your cook session or any of the three foods associated with CyberQ's three temperature probes. Photos can be added from the *Active Cook* screen, *Saved Cooks* screen and on the *Food Detail* screen. Photos are associated (saved) with either the cook session or the currently displayed food, depending on which screen the photos are added from.

### 10.1. Adding Photos

Photos can be taken using CyberCook's built-in *Que Cam* or imported from your iPad's camera roll.

#### 10.1.1. Que Cam

The *Que Cam* is a camera built into CyberCook that leverages the camera of your iPad. This makes it very quick and easy to take photos and add them to your session. Photos taken with the *Que Cam* are saved to you iPad's camera roll. To take a photo with the *Que Cam*, tap the *Que Cam* button.



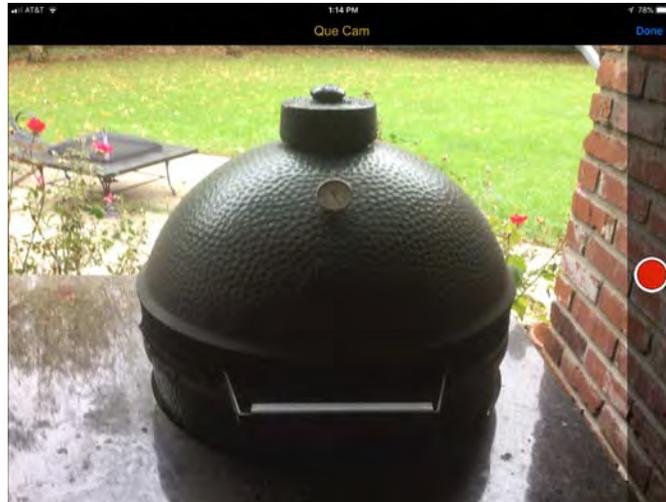


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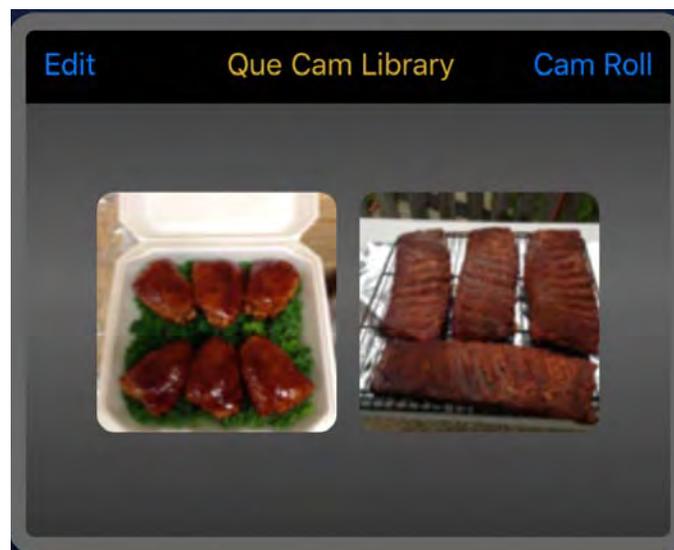
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Tapping the *Que Cam* button displays the CyberCook *Que Cam*.

Aim the *Que Cam* on the object you are taking a photo of and tap the  button to take the photo. Tap *Done* when finished.



Photos taken with the *Que Cam* are displayed in the Que Cam Library.





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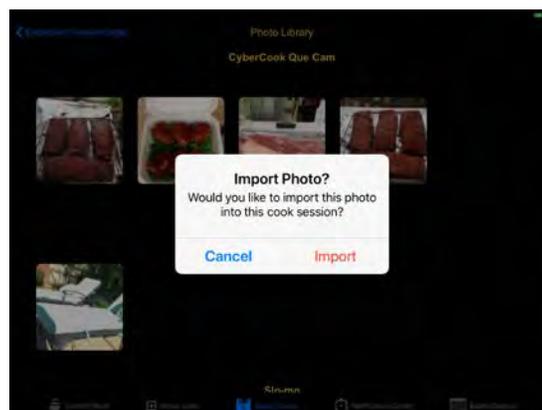
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## 10.1.2. Camera Roll

You can also import photos you have already taken from your iPad's camera roll. To select a photo from the camera roll tap *Cam Roll* on the *Que Cam Library* toolbar.



Tapping *Cam Roll* displays all photos on your iPad camera roll. Tap the photo you want to import into the Que Cam Library and tap *Import*. You can import as many photos as you want. Tap the back-navigation button when done importing photos.

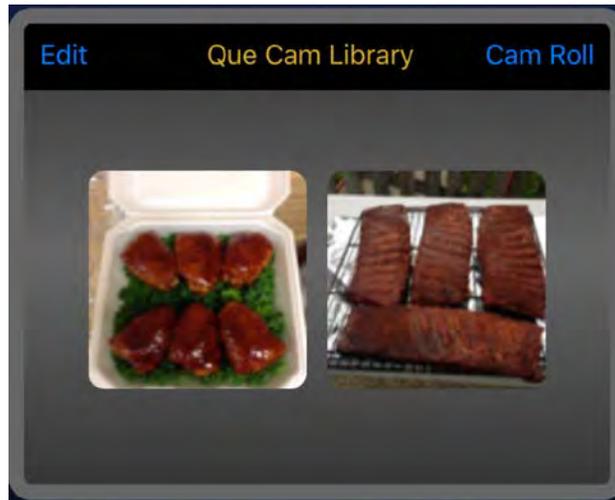




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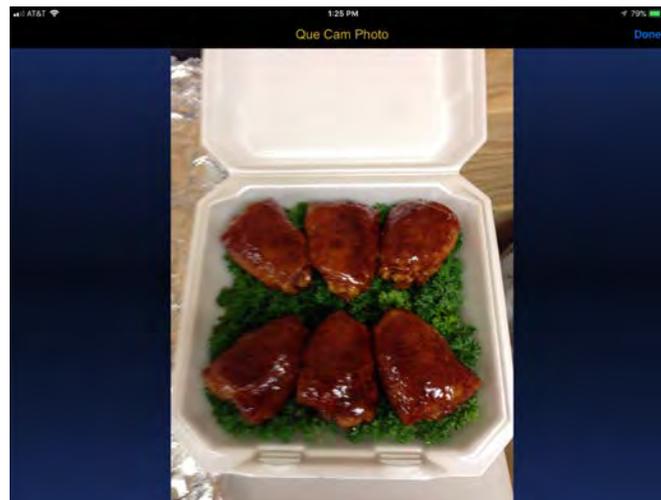
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Imported photos are displayed in the Que Cam Library.



## 10.2. Displaying Photos

To view a photo full sized, tap the photo in the Que Cam Library. The photo will open full-sized in the *Que Cam Photo Viewer*.



Tap *Done* when finished viewing the photo.

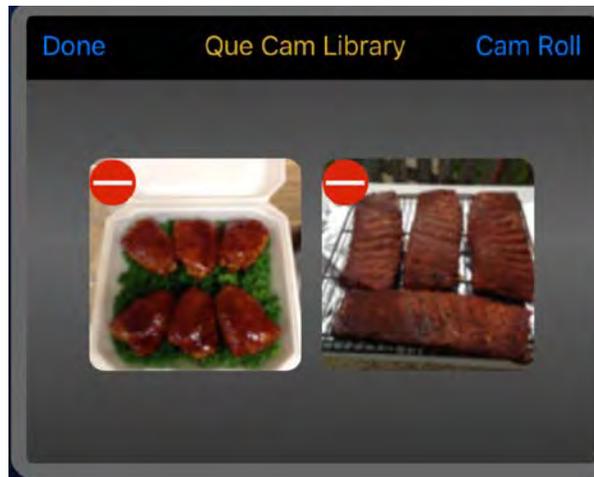


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## 10.3. Deleting Photos

To delete a photo from the *Que Cam Library*, tap *Edit* on the *Que Cam Library* toolbar. Tap the red delete icon to delete the photo. Tap *Done* when finished.





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## 11. SETTINGS MENU

The Control Panel *Settings* menu allows the user to customize both internal app settings and to set CyberQ device settings remotely. The *Settings* menu is organized into separate sections for app settings and CyberQ device settings.



### 11.1. App Settings

The *App Settings* section provides the ability to customize many internal app settings.

#### 11.1.1. Connection Settings

The *Connection Settings* menu allows the user to set various settings necessary to connect CyberCook to the CyberQ device.

Changing connection settings from this menu only changes internal app settings. It does not transmit these settings to the CyberQ device. To update *CyberQ device Wi-Fi Settings*, refer to the *Network Settings* menu in the *Device Settings* section.

##### 11.1.1.1. IP Address and Port

In both hotspot/adhoc and infrastructure modes, the IP address and port entered on the CyberCook *Connection Settings* menu tells the app where to find the CyberQ device on the network. Refer to the *Setup and Connection* section

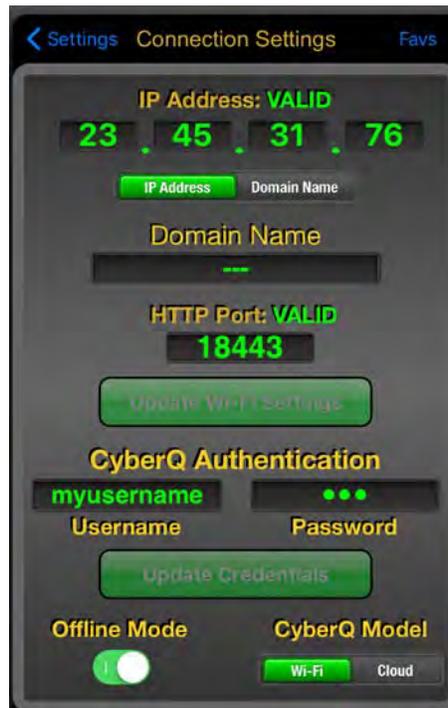


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of this guide for detailed information on how the IP address and port are used by CyberCook to connect to the CyberQ device.

The new IP address and HTTP port are updated within CyberCook when the *Update Wi-Fi Settings* button is tapped. The *Update Wi-Fi Settings* button is not enabled unless BOTH a valid IP address and port have been entered. **CyberCook cannot connect to the device unless the correct device IP address and port are entered.**



**The CyberQ device IP address can be determined by:**

1. Simultaneously press the Up and Down arrow buttons on the device until "System Setup" is displayed.
2. Press the Right arrow button to display the Wi-Fi Setup screen. Tap the down arrow button until the device IP address is displayed on the Wi-Fi Setup screen.



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The CyberQ device HTTP Port can be determined by:

1. Simultaneously press the Up and Down arrow buttons on the device until “System Setup” is displayed.
2. Press the Right arrow button to display the Wi-Fi Setup screen. Tap the down arrow button until the device HTTP Port is displayed on the Wi-Fi Setup screen.

If you are connecting in infrastructure mode and prefer to use your Wi-Fi network domain name instead of a raw IP address, tap *Domain Name* on the IP Address selector control and enter the domain name. Don't forget to tap the *Update Wi-Fi Settings* button when finished.



To enter the HTTP port, tap the HTTP Port textfield and enter the port set on your CyberQ. The port setting must be between 0 and 65535. Tap the *Update Wi-Fi Settings* button to save the port setting.



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## 11.1.2. Authentication Credentials

CyberCook supports HTTP Basic Authentication (username and password). This allows you to set a username and password on the CyberQ device, providing additional security to prevent others from accessing your CyberQ device, particularly in hotspot or adhoc mode.

**NOTE:** A username and password cannot be set on the CyberQ device from within CyberCook. You must set the username and password using the CyberQ web interface from a web browser (e.g. Internet Explorer, Safari, etc.), and then enter them on the CyberCook *Connection Settings* menu.

**Entering a username and password on the CyberCook *Connection Settings* menu is only necessary if you have set a username AND password on the CyberQ device. Omitting a username OR password on the CyberQ device disables CyberQ HTTP Basic Authentication.**

Enter the CyberQ username and password in the fields on the CyberCook *Connection Settings* menu and tap the *Update Credentials* button.

The screenshot displays the 'Connection Settings' screen in the CyberCook application. At the top, there are navigation options: '< Settings', 'Connection Settings', and 'Favs'. The main content area includes the following elements:

- IP Address:** Labeled 'VALID' in green, with the value '23 . 45 . 31 . 76' displayed in green. Below it is a green button labeled 'IP Address' and a grey button labeled 'Domain Name'.
- Domain Name:** A text input field with a grey border and a small green asterisk below it.
- HTTP Port:** Labeled 'VALID' in green, with the value '18443' displayed in green. Below it is a green button labeled 'Update Port Settings'.
- CyberQ Authentication:** A section header in yellow.
- Username:** A text input field containing 'myusername' in green, with a label 'Username' below it.
- Password:** A text input field with four green dots, with a label 'Password' below it.
- Update Credentials:** A large green button at the bottom of the authentication section.



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## 11.1.2.1. Offline Mode

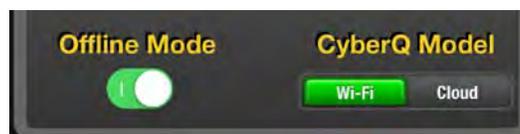
Turning the *Offline Mode* switch ON prevents the power failure alert from displaying when CyberCook is not connected to the CyberQ device. This is useful when you are reviewing cook sessions and not connected to your CyberQ.



## 11.1.2.2. CyberQ Model

CyberCook supports both the CyberQ Wi-Fi and CyberQ Cloud models. You must select your CyberQ model on the CyberQ Model control in order for CyberCook to connect to your CyberQ.

**NOTE:** If you are connecting to a CyberQ Cloud device, you must turn the CLOUD ENBLD setting to OFF on your CyberQ in order for CyberCook to connect. Refer to the *Connection and Setup* section of this guide for additional information.





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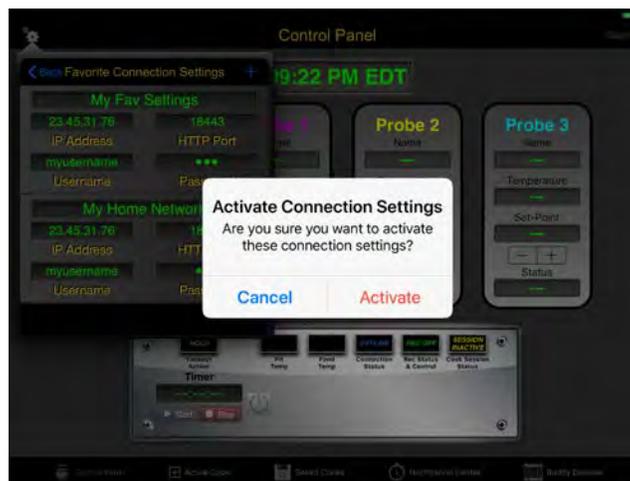
## 11.1.2.3. Favorite Connection Settings

You can save favorite connection settings that you use often by tapping *Favs* on the *Connection Settings* menu.

To add the current connection settings, tap the *Add* button (plus sign) and enter a name for the favorite. Tap *Save* to save current connection settings as a favorite.



To activate a favorite, tap the cell that contains the settings you want to activate and tap *Activate*.





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## 11.1.3. Refresh Intervals

The *Refresh Intervals* menu allows you to set how often CyberCook updates from the CyberQ device and how often snapshots are taken when recording a cook session.

### 11.1.3.1. Display Refresh Interval

The display refresh interval controls how often the app updates its data from the CyberQ device. The default is ten seconds and can be modified by the user in a range from ten seconds to 15 minutes. The display refresh interval is saved as soon as the picker is rotated to a new setting.



Because pit temp alarm smoothing can only be enabled for refresh intervals of 60 seconds or less, alarm smoothing must be selected OFF on the *Pit Alarm Settings* menu to select a refresh interval greater than 60 seconds.



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## 11.1.3.2. Snapshot interval

The *Snapshot Interval* controls how often a snapshot is taken when a cook session is being recorded. The default is five minutes and can be modified by the user in a range from two minute to fifteen minutes. The snapshot interval is saved as soon as a new setting is selected.





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## 11.1.4. Alarm Inhibits

The *Alarm Inhibits* menu provides the user the ability to inhibit CyberCook aural alarms. Visual alarms and annunciations cannot be inhibited. Aural alarms may be inhibited individually by selecting the associated switch OFF. The alarm inhibits are saved when each switch position is changed.



The *Alarm Inhibits* menu does not change any CyberQ device settings; it only affects internal application logic. Refer to the *Device Beeps* section of this guide for information on changing the device beep settings on the CyberQ device.

CyberCook also provides additional aural alerts such as “Warmup mode complete.” These alerts can be inhibited by turning the *General Aural Alerts* switch OFF.



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## 11.1.5. Pit Alarm Settings

The *Pit Alarm Settings* menu provides the user the ability to customize the behavior of the pit temperature alarms. These include warm-up mode, the reactivate threshold, reset threshold and alarm smoothing.



All of these settings are disabled by default when you install CyberCook. These settings are mainly geared toward preventing nuisance or repetitive alarms that aren't necessary for you to maintain an awareness of pit temp status.

**NOTE:** Alarm smoothing can only be turned on if the display refresh interval is set to 60 seconds or less.

Refer to the *Alarms* section in this guide for a complete description of how to use these settings to optimize pit temp alarm behavior.



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## 11.1.6. Miscellaneous Settings

The *Miscellaneous Settings* menu provides access to several miscellaneous settings.



### 11.1.6.1. Device Autolock

Because iOS does not allow applications connecting to external devices to run in the background often enough to do their job it is necessary for CyberCook to be running in the foreground (displayed on screen) in order to monitor and control the CyberQ device.

CyberCook automatically disables the iOS auto-lock function by default as long as CyberCook is running in the foreground. This prevents your iPad from “going to sleep” while CyberCook is running. You can control the device autolock setting on the *Miscellaneous Settings* menu. Turning *Device Autolock* ON will allow the iPad to go to sleep in accordance with the autolock setting in the iPad *Settings* app. Turning *Device Autolock* OFF prevents the iPad from going to sleep as long as CyberCook is the active app (displayed on screen).

Auto-lock is automatically re-enabled to the global auto-lock setting found in the iPad *Settings* app when CyberCook is closed, regardless of the *Device Autolock* setting in CyberCook.



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**IMPORTANT:** In order to prevent undesired battery usage, close CyberCook when you are not using it.

Because the app must be running throughout the cook session, it is recommended to connect your iPad to a power source if you are planning a long cook.

Decreasing display brightness as low as possible can also greatly increase battery life during long cooks.

## 11.1.6.2. Scroll Active Session Graph to End

Turning the *Scroll Active Session Graph to End* switch ON causes the graph to automatically display at the end of the graph timeline when accessed from the control panel. This setting does not affect the graph when accessed from other places within the app.

## 11.1.6.3. Control Panel Clock

The control panel clock can be hidden by selecting the *Control Panel Clock* switch to *Hide*.

## 11.2. Device Settings

The *Device Settings* menu provides the ability to remotely change settings on the CyberQ device.

### 11.2.1. Pit Settings

The *Pit Settings* menu provides the ability to remotely set CyberQ device settings including ramp mode, alarm deviation, open lid detect, fan cycle time and proportional band. Refer to the latest version of the CyberQ User Guide for a complete explanation of each of these settings.



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The controls on the Pit Settings menu are disabled when no connection is available to the CyberQ device.

**IMPORTANT:** While the alarm deviation setting is on the Pit Settings menu, it is used by the both the CyberQ device and internally by CyberCook to trigger pit temp alarms. Refer to the *Control Panel* section of this guide for complete details.

Pit settings are transmitted to the CyberQ device as soon as each setting is changed.



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## 11.2.2. Network Settings

The *Network Settings* menu is used to change network settings on the CyberQ device, not the CyberCook connection settings.

These settings are not used to connect the app to the CyberQ device. They simply provide a way to easily and remotely change the network settings on the CyberQ. As described in the CyberQ User Guide, **these device settings are not changed on the device until the device is powered down and then powered back up**. Changing these settings will most likely require you to connect your iPad to the new Wi-Fi network specified by the Network ID (SSID) setting to regain app connection to the CyberQ device. If you change the HTTP Port from this menu you will also need to set the new port on the *Wi-Fi Settings* menu (under *App Settings*) to allow CyberCook to connect to the CyberQ device after the device is repowered.

The controls on the *Network Settings* menu are disabled when no connection is available to the CyberQ device or if the current CyberQ model is set to *Cloud*.



Network settings are only transmitted to the CyberQ device after the *Update* button is tapped.

## 11.2.3. Device Beeps

The *Device Beeps* menu provides the user the ability to silence or adjust the key beeps and alarm beeps on the device. Key beeps



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generate a short chirp on the device whenever a key is pressed to provide aural feedback. Alarm beeps provide a continuous beep when a Cyber Q device alarm is triggered.



This menu provides a convenient way to remotely control these device settings; they do not affect application alarm logic. Key beeps can be turned on or off. Alarm beeps can be turned off or volume adjusted from one to nine.

Changes to these settings are transmitted to the CyberQ device as soon as a change is made.

## 11.2.4. Temperature Scale

During app initialization, the app initializes to the current temperature scale (temp scale) on the device when a connection is established or to the temp scale used during the last use if no connection is available. This setting is also used by the app to ensure all temperatures and settings are displayed in the current temp scale.



The temp scale can be changed between Fahrenheit and Celsius on the *Temp Scale* screen. The temp scale is transmitted to the device as soon as a change is made.



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Because the temperature scale is transmitted to the device, it becomes effective on the next data refresh. If you display a new screen before this happens, the new screen may still be displayed in the old temp scale. If this happens, just go back to the Control Panel screen until it reflects the new temp scale, then re-select the desired screen, which will then reflect the new temp scale.

