In-Field Setup

Choose SAVE to save changes.

Enter Asset number.

Enter Asset number manually.
Or
Barcode scan Asset number using the phone's camera.

Choose OK to accept.

Choose EDIT to edit Cooler model.

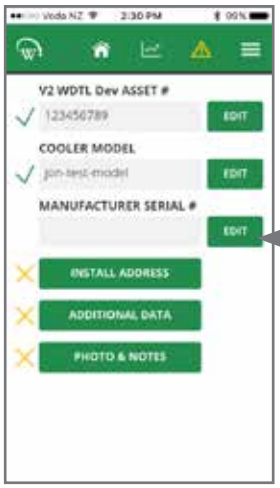
A list of available cooler models will drop down.

Choose the cooler model from the list of available models.

Choose SAVE to save changes.

In-Field Setup

Choose OK to accept.



Choose EDIT to add the cooler's Manufacturer Serial Number.

Choose SAVE to save changes.

Enter Serial number.

Enter Serial number manually. Or Barcode scan Asset number using the phone's camera.

Choose OK to accept.

In-Field Setup

Select INSTALL ADDRESS

If GPS is turned off, type the outlet address in the INSTALL ADDRESS box and select SHOW ON MAP.

If GPS is turned on, the phone will automatically locate your current position (blue marker).

Note:
It is strongly preferable to do this process while online, as otherwise there is a high chance of entering an un-interpretable address and not realising it. If you are not online while doing this process, Google Maps lookup won't work. In this case, just type in the address.

Manually enter the address if the Google address is not correct.

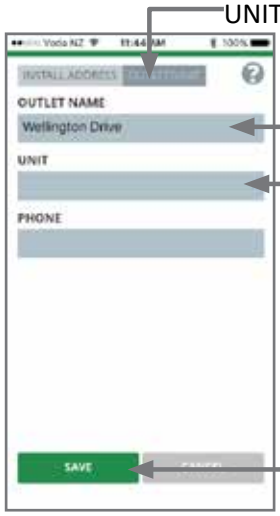
Drag the yellow marker around to position the cooler's exact location.

Double tap the map screen to position the cooler's exact location with a yellow marker.

It is not necessary to select SAVE at this point.

Select OUTLET/ UNIT tab.

Enter outlet name and other details.



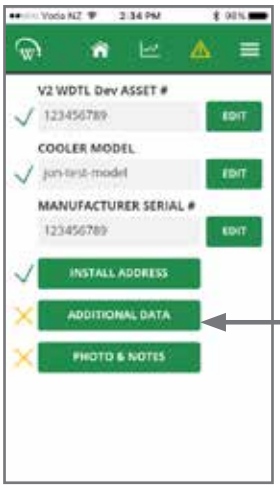
The UNIT field is for location information which is useful, but not part of the street address, e.g. "2nd floor" or "unit 3".

Choose SAVE to save changes.

If you chose SAVE after completing the previous step, select INSTALL ADDRESS to get back to this screen.

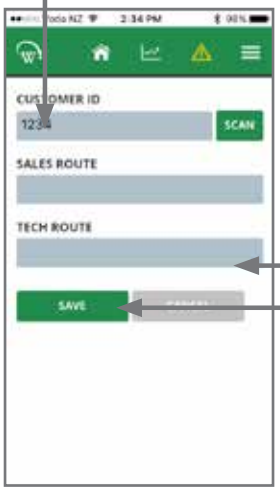
In-Field Setup

Choose OK to accept.



Select ADDITIONAL DATA

Enter Customer ID.



It is not necessary to enter anything in the SALES ROUTE and TECH ROUTE fields.

Choose SAVE to save changes.

Enter CUSTOMER ID manually.
Or
Barcode scan Asset number using the phone's camera.

Select PHOTO & NOTES.

In-Field Setup

Enter any other information relevant to this photo.

Select COOLER to upload a cooler photo, or STORE to upload a store photo.

Choose SELECT PHOTO to upload the photo from your phone gallery.

Choose SAVE to save changes.

A green tick beside each field indicates all the fields are set and installation is complete.

The manufacturer's serial number doesn't get a green tick because the system regards this as optional information.

Note:
You can add notes without a photo, or a photo without notes. You can only add one photo at a time. To add extra photos, select PHOTO & NOTES again and repeat the steps above.

Choose Disconnect from the menu to complete the process.

It is important to complete the disconnect step to ensure that all asset data is properly stored in the SCS Click.

UPGRADING FIRMWARE

SCS Click Programming Steps

Firmware can be updated from either the mobile or desktop app. The steps are the same for both. Screenshots used are from the mobile app, but look the same on the desktop app

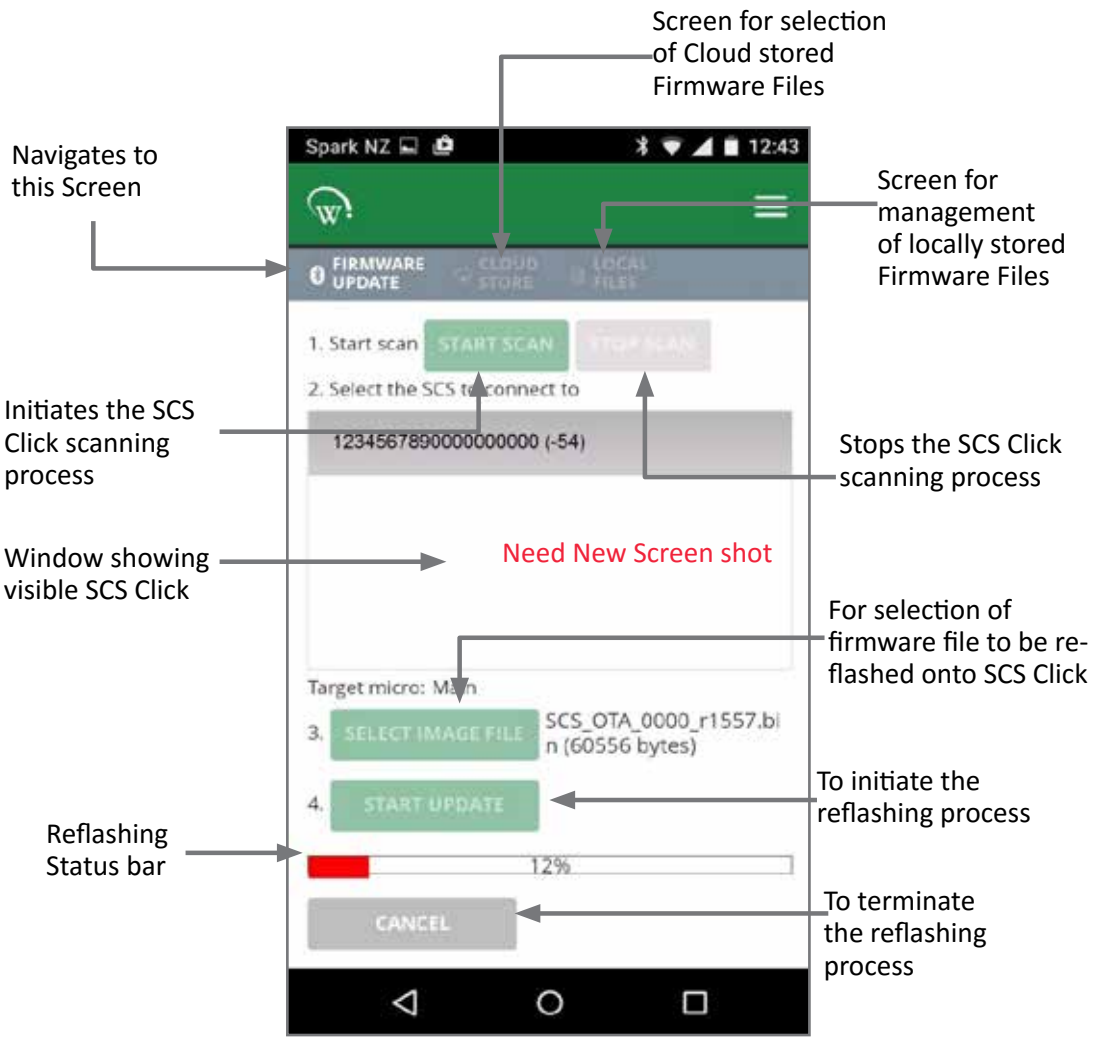
The SCS click contains a microprocessors.

- Main micro responsible for all control algorithms.

Quick Read

- ☐ Step 1: Select controller.
- ☐ Step 2: Select Bin File.
- ☐ Step 3: Connect.
- ☐ Step 4: Verify and Program.

FIRMWARE UPDATE Screen



UPDATE PROCESS

Step 1

Step 1:
Select Cloud Stored Firmware Files

Step 2

Step 2a:
Select the file you want to use

Step 2b:
Choose DOWNLOAD

Note:
SCS CLICK_OTA are Main micro files.

Need New Screen shots

Step 3

Step 3a:
Start scanning for SCS Click to upgrade

Step 3b:
Select SCS Click to Upgrade
(Bluetooth Indicator will flash on selected SCS Click once successfully connected)

Step 4

Step 4a:
Select Locally Stored Firmware file for Upgrade

Step 4b:
Start the upgrade

Step 4c:
Ensure “Firmware Update Complete” is displayed after programming. Otherwise, you will need to try again.

TECHNICAL SPECIFICATIONS

Technical Specification Table

POWER	
Supply Voltage	5Vdc (supplied by EMS)
Power Consumption	150mW maximum
UART	5Vdc Full duplex
ENVIRONMENTAL	
Operational Temperature Range	-10°C to +55°C (-14°F to +131°F) <90% RH non-condensing
Storage Temperature Range	-40°C to +80°C (-40°F to +176°F) <90% RH non-condensing
CONNECTIVITY	
Bluetooth™ Capability	Bluetooth™ SMART
Supported Windows O/S for GUI module	Windows 7 Windows 8 Windows 8.1 Window 10
Supported Mobile App Devices	Android with BT 4.0 and OS 4.4.3 or above iPhone 4S or later iPAD 3rd Gen or later iPAD mini
PHYSICAL	
Dimensions	SCS Click Overall Dimensions: 10.8mm (H) x 11.7mm (W) x 17.6mm (D)
Weight	2g (0.07oZ)
Activity Indicators	LED Indicator
Housing Materials	Main Housing: PC

Technical Specification Table

COMPLIANCE AND APPROVALS	
Fire Rating	UL94-V0
Electrical Insulation Rating	Class II (when correctly installed)
Safety Compliance	cUL*
Ingress Protection	IP 40 (weather protection provided by EMS)
EMC	Immunity: EN6100-6-2, EN 301 489-1, EN301 489-17 Emmissions: EN55014-1 , EN301 489-17 , EN300 328 V1.8.1 EN50371 FCC Part 15B and 15C EN 300 328 ICES-001, RSS-247, RSS-102 AS/NZS 4268, AS/NZS CISPR 22
European Directive: Restriction of Hazardous Substances	EU Directive 2002/95/EC (RoHS)
European Directive: Waste Electrical and Electronic Equipment	EU Directive 2002/96/EC (WEEE)
Bluetooth SIG	BQB QDL*

FCC Declaration

CLASS B DEVICE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

RSS-Gen & RSS-247 statement:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RSS-102 Statement:

This equipment complies with Industry Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme à l'exposition aux rayonnements Industry Canada limites établies pour un environnement non contrôlé.

GLOSSARY

Term Used	Definition
AC	Alternating Current.
Activity	An activity is defined as a human interaction with the cabinet, such as opening the cabinet door to access the product inside.
Activity Sensor State	Using input sensors to determine if there has been any activity or interaction with the cooler unit.
Ambient Temperature	The average air temperature outside of the cooler unit.
CE Mark	Conformité Européenne. The CE mark signifies that the product conforms to all applicable European Directives required by the European Economic Area (EEA).
Cooler Unit	The unit containing the refrigeration system and an insulated space for storing and displaying product.
cUL Mark	The cUL Mark signifies that the product conforms to the relevant safety compliance required by the USA and Canada.
DC	Direct Current.
Defrost Cycle	A mode where the refrigeration system switches off the compressor to defrost the evaporator coil. This may be assisted by heating and by the evaporator fan blowing air across the evaporator coil.
Diagnostics	The process of analyzing data from the controller to determine the current function of the unit, particularly for initial set up and fault finding.
Duty Cycle	The ratio of Compressor on time to off time.
EU Directive 2002/95/EC (RoHS)	The EU Directive which governs the Restriction of Hazardous Substances (RoHS) in goods. This directive is closely linked with the Waste Electrical and Electronic Equipment directive (WEEE).

Term Used	Definition
EU Directive 2002/96/EC (WEEE)	The Waste Electrical and Electronic Equipment directive (WEEE), which governs the collection, recycling and disposal of electrical and electronic goods. This directive is closely linked with the Restriction of Hazardous Substances directive (RoHS).
Evaporator Fan	The fan which is used to blow internal air over the evaporator coil. The evaporator coil takes heat away from the air, cooling the air down.
Evaporator Temperature	The temperature detected on the outside of the evaporator coil.
GUI	Graphical User Interface.
HACCP	Hazard Analysis & Critical Control Points is a preventive approach to food safety and storage of medicines, where refrigeration control is recognized as a critical control point.
HC Compatible	Suitable for use with flammable refrigerants in refrigerators complying with IEC60335-2-89.
High Voltage	Any part of the refrigeration system which operates on voltages that are hazardous.
Internal Temperature	The temperature detected inside the cooler unit where the product is placed.
IRAM Mark	The IRAM Mark signifies that the product conforms to the relevant product standards required by Argentina.
LED	Light Emitting Diode.
N.C.	Not Connected', in relation to the Hardware Set Up.
Normal Mode	The standard automatic running mode.
NSF Mark	The NSF Mark signifies that the product conforms to the relevant food safety regulations from the independent NSF organisation.

Term Used	Definition
OEM	Original Equipment Manufacturer.
Over Voltage	A state where the supply power voltage is higher than the design limits of the equipment.
Products	Products are the items being stored inside the refrigerated cabinet, for example chilled drinks.
Refrigeration System	The components comprising the complete refrigeration circuit, including controller, evaporator, expansion valve, condenser, compressor and evaporator fan.
Sensor	Sensors are devices which generate a signal used to control devices as a result of a detected environmental change. Probes are a kind of sensor, and the two terms are often used interchangibly.
Standby Modes	A sequence of control modes used to save energy during periods of lower use.
States	The state of a device (eg; 'on' or 'oFF') is used by the ***SCS Connect*** controler to make logic decisions when controlling the device.
Thermostat	A switch or signal device, activated by changes in temperature.
Transition Modes	A series of “inbetween” modes that can be used to adjust set-point and lighting levels, without fully changing between Normal and Standby mode.
UL Mark	The UL Mark signifies that the product conforms to the relevant safety compliance standard published by Underwriters Laboratories Inc.
Under Voltage	A state where the supply power voltage is lower than the requirements of the equipment.
VDE Mark	The VDE Mark signifies that the product conforms to the relevant electrical equipment safety regulations from the independent VDE organisation.

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