



Sub-Zero / Wolf Smart Appliance Module™

For Home Automation

Quick Start Guide

Supported Models and Requirements

The Card Access™ Smart Appliance Module™ is designed for installation into specific Sub-Zero / Wolf appliances. Installation should be completed by a Sub-Zero / Wolf factory-authorized service technician. The module requires a Control4 Home Controller running Composer 2.1.0 or higher.

Important Safety Instructions



WARNING! You should install this device in accordance with all national and local electrical codes.



IMPORTANT! Improper use or installation of this device can result in LOSS OF/DAMAGE TO PROPERTY.



IMPORTANT! Using this product in any manner other than outlined in this document voids your warranty. Also, Card Access is NOT responsible or otherwise liable in any way for any damage resulting from the misuse of this product. See the section of this document entitled WARRANTY for details.

What Is Included

You will find the following items inside the Smart Appliance Module package:

- Bubble bag containing one (1) Wireless Smart Appliance Module
- One (1) DriverWorks Driver Download Address Card
- One (1) RJ-12 Control Cable
- Two (2) Cable Zip Ties
- One (1) Velcro Attachment Strip
- One (1) Quick Start Guide

General Instruction Notes



NOTE: To ensure good ZigBee wireless reception, please consider the following:

1. Ensure the device is within 150 feet of another ZigBee device.
2. Avoid installing the module near other electrical equipment that may cause interference with the ZigBee signal (such as cordless telephones that operate on the 2.4 GHz frequency).
3. Remember the Sub-Zero refrigerator or Wolf oven enclosure is made of metal. Make sure the Sub-Zero / Wolf factory-authorized service technician places the Smart Appliance Module in an "RF-friendly" location, and
4. has dressed the Smart Appliance Module's Control Cable to prevent damage from the appliance's metal edges, hinges, and access panels.



NOTE: To mount the Smart Appliance Module, the factory-authorized service technician must use the included two-sided Velcro tape to mount the Tray Assembly to the outward facing flat surface located under the top vent cover of the Sub-Zero refrigerator. For an oven installation, contact a Wolf factory-authorized service technician for assistance and instructions.

Pre-Installation

The Card Access Smart Appliance Module integrates quickly and easily into a Control4 system.

Prior to installing the Smart Appliance Module, the Control4 Controller being used in the project will need the appropriate appliance driver and a Control4 4Store account. Before the 4Store account is created and the Sub-Zero Smart Appliance app downloaded, the appropriate Sub-Zero driver must be downloaded and added to the project.

To download the appropriate driver, follow the directions below:

- Go to www.cardaccess-inc.com/automation/drivers and download the appropriate Sub-Zero or Wolf driver for the appliance model in the project.
- Add the driver to the Documents/Control4/Drivers folder.
- Start Composer Pro, go to the Search Tab and select "Others" as the device type and "SubZero" as the manufacturer. There are four (4) drivers to choose from. Select the model that matches your refrigerator (BI Series) or oven (E Series).

- Add the driver to the room where the refrigerator or oven is located and then go to the Connections Tab and click Network.

- Identify the Smart Appliance Module by pressing the identification button on the front cover four (4) times.



To create a 4Store account follow the directions below:

- Go to www.4store.com and create an account for the Home Controller in the project.
- Download the Sub-Zero Smart Appliance or Wolf Smart Appliance app (Sub-Zero for the refrigerator, and Wolf for the oven).
- After loading Composer, go to the Agents Tab and add the 4Store Agent. Enter the account information for the 4Store account you have just created. Save the information and click the update button. This will load the Sub-Zero Smart Appliance app and make it appear on the Navigator.
- The Home Controller must be running version 2.1 or higher for correct operation. If the Home Controller is running an earlier version it needs to be updated. Ensure the update is completed prior to installing the Sub-Zero / Wolf Smart Appliance Module.

Specifications

Recommended Wiring:	Supplied RJ-12 Control Cable
Power Source:	Host appliance via RJ-12 control port
Power Usage:	40 mA at 6V, 24 mV at 12V fully active
Device Temperature Range:	Operational -20°F to 158°F (-28°C to 70°C) Humidity 5% to 95% Non-Condensing Storage -20°F to 158°F (-28°C to 70°C)
Dimensions (LxWxD):	3.1" x 2.6" x 1.05" (78.7mm x 65.7mm x 26.6mm)
Rain Resistance:	Cover Assembly properly connected to Tray Assembly is water-resistant. The Smart Appliance Module is NOT waterproof and must be kept out of direct contact with water. The product must NOT be immersed.
Paintable Enclosure:	The Smart Appliance Module Assembly plastics are paintable with any water-based residential paints. DO NOT CLOG THE COVER ASSEMBLY VENT HOLES WITH PAINT.
Communications:	ZigBee (IEEE 802.15.4) 2.4 GHz, 15-channel, spread spectrum radio

Troubleshooting

If the Smart Appliance Module is not working:

- Reboot the Smart Appliance Module by removing the RJ-12 Control Cable from the Module and then re-connecting it to cycle power.



NOTE: Power must be removed from the product for at least 10 seconds to ensure a successful reboot.

- To remove the Smart Appliance Module from the ZigBee PAN, remove power by removing the RJ-12 Control Cable from the Module. Press and hold the ID button while simultaneously restoring power to the Module. Once the LED turns amber, release the ID button. The LED will change to red. The Module is now ready to be re-identified into the project.
- For help on the installation or operation of this product, email or call Card Access Product Support. Please provide your exact model number and the MAC ID/Serial Number for the device. You may contact Product Support by phone (801-748-4900, extension 1), by e-mail (dealersupport@cardaccess-inc.com) or on the Internet at www.cardaccess-inc.com/automation/support.

Regulatory Compliance

The Card Access Smart Appliance Module complies with standards established by the following regulatory bodies: Federal Communications Commission (FCC), Conformité Européenne (CE), and Restriction of Hazardous Substances (RoHS).

FCC

FCC ID: SUB10A-ZP

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.

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.
- IMPORTANT! Changes or modifications not expressly approved by Card Access, Inc. void the user's authority to operate the equipment.



CE

We, Card Access, Inc. of 11778 South Election Road, Suite 260, Salt Lake City, Utah, 84020 USA, declare under our sole responsibility that the product, the Card Access Smart Appliance Module™, Model Number SUB10A-ZP to which this declaration relates, is in conformity with the following standards and / or other normative documents:

EN60950, EN55022, N55024

We hereby declare that the above named product is in conformity with the essential requirements and other relevant provisions of Directive 1999/5/EC.

The conformity assessment procedure referred to in Article 10(3) and detailed in Annex II of Directive 1999/5/EC has been followed.

Restriction of Hazardous Substances (RoHS)

All parts in the Card Access Smart Appliance Module meet the material restrictions of RoHS, as proposed by the RoHS Technical Adaptation Committee. This is based upon information provided by suppliers of the raw materials used by Card Access, Inc. to manufacture these products. As such, Card Access, Inc. makes no independent representations or warranties,

expressed or implied, and assumes no liability in connection with the use of this information.

Product Registration

Please visit www.cardaccess-inc.com/automation/registration to register your new product. Along with your contact information, you must provide the following additional information:

- Product Name (Card Access Smart Appliance Module)
- Model Number (SUB10A-ZP)
- Date of Purchase
- Place of Purchase
- Serial Number (this is the "MAC ID" located on the sticker attached to the radio/logic board inside the Cover Assembly)

Please refer to the One-Year Limited Warranty for complete warranty information.

One-Year Limited Warranty

This product is warranted to be free of defects in material and workmanship for one year from date of original purchase from Card Access, Inc. ("Card Access").

Card Access will, at its election and as the purchaser's or end user's sole and exclusive remedy for any breach of the limited warranty set forth above, repair or replace this product if a defect in material or workmanship is identified and communicated to Card Access within the one-year period described above. Card Access is not responsible for removal or reinstallation costs. This warranty is not valid in cases where damage to this product is the result or arises out of misuse, abuse, incorrect repair or improper wiring or installation. To notify Card Access of any breach of the foregoing limited warranty and to obtain warranty service, contact Card Access Customer Support by e-mail to dealersupport@cardaccess-inc.com or by calling 801-748-4900, extension 1, to obtain a Return Materials Authorization ("RMA") number and instructions for returning your defective product to Card Access.

IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED, EXCEPT WHERE SUCH DISCLAIMER IS PROHIBITED BY APPLICABLE LAW. CARD ACCESS AND/OR THE SELLER DISCLAIM(S) ANY AND ALL LIABILITY FOR SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGE IN ANY WAY ASSOCIATED WITH OR RELATED TO THE PURCHASE, INSTALLATION AND/OR USE OF THIS PRODUCT.

Some states/provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of special, incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state/province to state/province.

This is Card Access' exclusive written warranty.

About This Document

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This device complies with Industry Canada license-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.