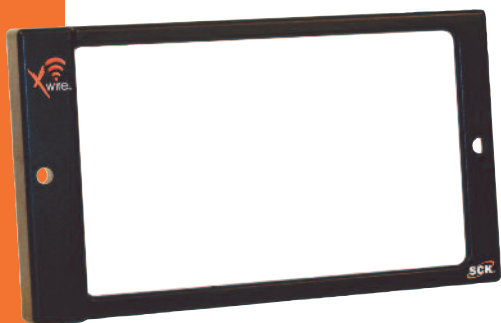**SCK® Direct, Inc.**

Installation Guide

Xwire™ Universal **SmartAdapter** for Communications-Enabled Appliances

Xwire™ **SmartBezel** Adapter for Process Controllers

Xwire™ **SmartGateway** PC Adapter

SmartAdapter

SmartBezel

SmartGateway

SAVE these instructions for future reference.

www.MySCK.com

NOTICES

SCK Direct, Inc. is not liable for any use of product not in accordance with SCK Direct, Inc.'s installation and operation instructions.

BEFORE USING THIS EQUIPMENT, OR FOR ANY QUESTIONS ON THE OPERATION OF THE APPLIANCE, CONSULT AND FOLLOW ALL INSTRUCTIONS AND SAFETY WARNINGS FOUND IN THE APPLIANCE OPERATOR'S MANUAL SUPPLIED FROM THE MANUFACTURER OF THE APPLIANCE.

CLEANING

Using a clean damp cloth, wipe down the products when necessary using a commercial quality foodservice-approved detergent. DO NOT IMMERSE.

NEVER use chemical or abrasive cleaners on SCK products.

TOOLS REQUIRED FOR INSTALLATION

☐ Flat screwdriver (for SmartBezel)
☐ Pliers (for SmartBezel)
☐ Phillips screwdriver (for SmartAdapter)
☐ Drill bit: 3/16" if using anchor. #50 if installing into metal (for SmartAdapter)

Changes or modifications not expressly approved by SCK Direct, Inc. could void the manufacturer's warranty and the user's authority to operate the equipment.

NOTE: 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 for help.

TABLE OF CONTENTS

STEP 1
The SmartGateway should be installed first.

Xwire Wireless
SmartGateway Adapter

REQUIRED PARTS

(A) Xwire Wireless SmartGateway Adapter
SCK Part No. 231-60207-01

(B) USB Cable, 5M
SCK Part No. 141-15734

INSTALLATION

1. Connect USB cable to the communication port on the SmartGateway.

2. Power off the PC and connect the SmartGateway to an available USB port using the USB cable.

   ⓘ **NOTE**: It's important to power down for proper configuration.

3. Verify the LED sequence on the SmartGateway is correct per your application by referring to the charts on page 6.
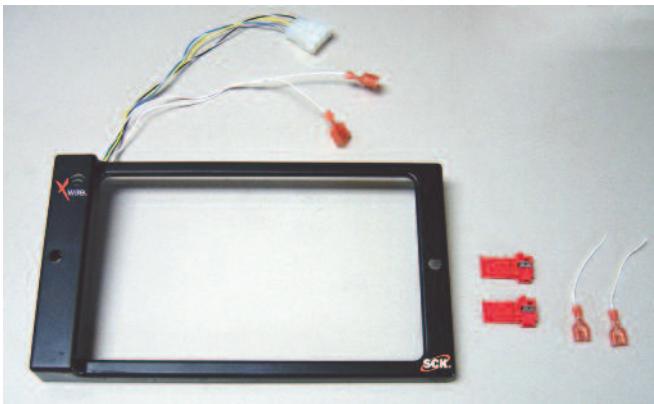
STEP 2
The SmartBezel Adapter

Xwire SmartBezel Adapter for
FAST VC-210 & FAST EM-99
CONTROLLERS
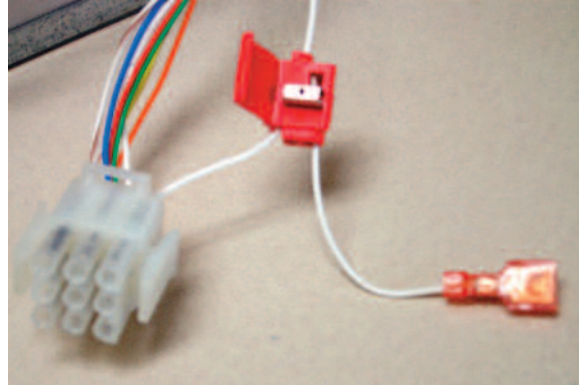

REQUIRED PARTS

(1) Xwire SmartBezel Adapter
SCK Part No. 231-60206-01

(2) Self-tapping Connectors (included)
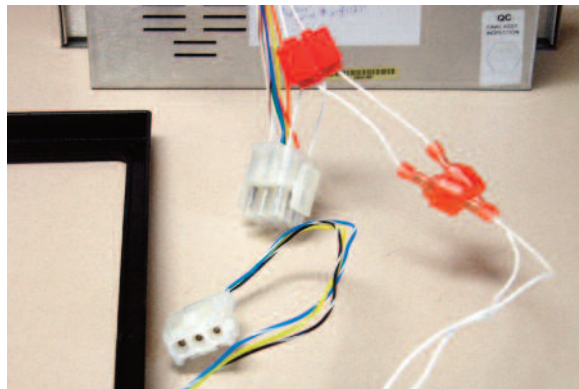SCK Part No. 141-51026
Qty. 2

INSTALLATION

1. Locate wires numbered 1 and 3 in the 9-pin connector on the FAST VC-210 or FAST EM-99 controllers.

2. Clamp self-tapping connector to these wires to provide a 24VAC output for the SmartBezel.

3. Connect the two spade terminals to the pair coming from the SmartBezel.

4. Connect the 3-pin Molex connector on the SmartBezel to the 3-pin Molex on the controller.
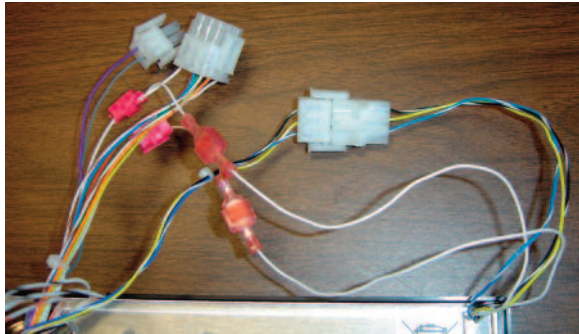
5. Position the SmartBezel onto the front of the FAST Controller. Carefully place the five SmartBezel wires into the channel on the FAST Controller.

6. Install the FAST Controller on the fryer and verify the LED sequence is correct per your application by referring to the charts on page 6.

The FAST Controller is now ready to be used as an SCK Xwire wireless device.

STEP 3
The Universal SmartAdapters

Xwire Universal SmartAdapter for
(FAST.)® TRACKER™ TIMERS

REQUIRED PARTS

(A)   Xwire Universal SmartAdapter for FAST TRACKER Timers
      SCK Part No. 231-60208-01

(B)   Harness for Xwire Universal SmartAdapter
      i.   12" SCK Part No. 222-50700-01
      ii.   48" SCK Part No. 222-50700-02

(C)   Mounting Kit.
      SCK Part No. 213-50761-01

If something is missing, please call 1-866-840-4271 (8:00 a.m. - 5:00 p.m. EST).

INSTALLATION

1.   Connect harness to the communication port on top of the TRACKER Timer.

2.   Connect other end of harness to the Xwire Universal SmartAdapter. Mount the SmartAdapter using the supplied Velcro.

> **Note**: Mount in a place the SCK Xwire SmartGateway will receive a signal.

3.   Verify the LED sequence on the SmartAdapter is correct per your application by referring to the charts on page 6.

The TRACKER Timer is now ready to be used as an SCK Xwire wireless device.

Xwire Universal SmartAdapter for
FRYERS AND OVENS

REQUIRED PARTS

(A)   Xwire Universal SmartAdapter for Fryers and Ovens
      SCK Part No. 231-60208-01

(B)   Self-tapping Connectors (included)
      SCK Part No. 141-51026
      Qty. 2

(C)   Harness: Choose One
      i.   SCK Part No. 222-50702-01
      ii.   SCK Part No. 222-50701-01
      iii.   SCK Part No. 222-50701-02

(D)   Velcro Brand Fastener

If something is missing, please call 1-866-840-4271 (8:00 a.m. - 5:00 p.m. EST).

INSTALLATION

1.   Pull the SCK-enabled Controller away from appliance. Locate wires numbered 1 and 3 in either the 15-pin connector or the 9-pin connector (depending on the Controller) on the back of the Controller. These are your 24VAC.

2.   Clamp the self-tapping connector to these wires to provide a 24VAC output to the SmartAdapter and also the two pigtail wires that are supplied.

3.   Connect the two pigtail wire terminals to the pair coming from the harness.

4.   Connect the 3- or 4-pin Molex (depending on Controller) from the harness to the controller.

5.   Drill a hole in the back of the appliance to feed harness through.

6.   Connect the harness to the SmartAdapter and mount using Velcro tape that is supplied.

> **Note**: Mount in a place the SCK Xwire SmartGateway will receive a signal.

7.   Re-mount the SCK-enabled Controller back into the appliance and verify the LED sequence on the SmartAdapter indicator is correct by referring to the charts on page 6.

The SCK-enabled Controller is now ready to be used as an SCK Xwire wireless device.

Light Bars and Status LED

The SCK Xwire status indicator consists of three colors (Green, Red and Orange) to visually indicate transmission strength and operating status to the operator.

See the charts below for details.
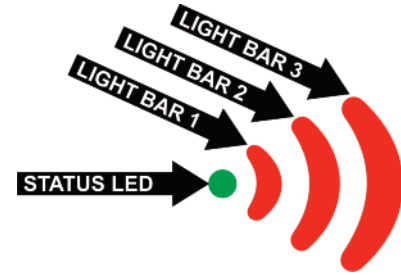
SIGNAL STRENGTH INDICATORS (LIGHT BARS)

))	**STRONG** All light bars are lit RED.
))	**GOOD** At least two light bars are lit RED.
))	**WEAK** Only one light bar is lit RED.
))	**NONE** No light bars are lit RED.

STATUS LED CHART

LED Color	LED Blink Rate	Description
ORANGE	2 sec ON, 2 sec OFF	Device cannot communicate with the SCK device after already connecting to the wireless network.
ORANGE	Very Fast	Device is initializing.
GREEN	Solid On	Device has found a SmartGateway and is now connected to the network.
GREEN	Very Fast	Device is waiting for a reply for data sent to another device.

How Do I Know if It's Working?

Under normal operating conditions, the status LED will be solid green and all or some of the signal strength LEDs (light bars) will be lit depending on signal strength. In most cases, you'll see the green status LED lit solid while the signal strength light bars change from time to time.

TROUBLESHOOTING / LED CODES

LED Action	Description	Solution
All LEDs blink on and off simultaneously every 500ms.	Device has detected a multiple SCK address conflict and is waiting for resolution (currently participating as address 30)	1. Verify that all enabled controls are set to a different SCK address.
All LEDs blink in two short bursts followed by one second of off time.	The device is connected to a wireless network but not to an SCK-enabled control.	1. Make sure device is SCK compatible. 2. Make sure communication port is connected. 3. Check SCK wiring. 4. Install it on a known working appliance.
All LEDs strobe.	Device is searching for a SmartGateway.	1. Verify the SmartGateway is turned ON. 2. Install the Xwire device closer to the SmartGateway. 3. A SmartRepeater may need to be added to extend the range. Contact your SCK Sales Representative.
Status LED flashes green/orange continuously.	The radio on the SmartGateway has been turned OFF.	1. Contact your local Helpdesk, or SCK Support at 1-866-840-4271
Orange LED blinks ON for 2 seconds, then OFF for 2 seconds.	Device is attempting to resolve an SCK address conflict by changing to address 30, but there is already another device on the SCK network using address 30.	1. Verify that all enabled controls are set to a different SCK address.
	Device cannot communicate with the radio.	1. Try cycling power to the unit OFF, then ON. 2. Contact SCK Support.

⚠ **THE FOLLOWING IS INCLUDED FOR REFERENCE ONLY AND SHOULD BE PERFORMED ONLY BY AN SCK CERTIFIED TECHNICIAN.**

Changing the Default PAN ID
(Personal Area Network Identification)

The factory default PAN ID is 1. Should your SCK Xwire device experience interference that prevents it from working properly, the network PAN ID may be overridden and selected manually:

Locating the PAN ID Button on the Xwire Devices
Xwire SmartBezel -- PAN ID button is located in the rear of the unit in the slot immediately below the mounting screw location
Xwire Universal SmartAdapter -- PAN ID button is located on the back of the unit in the access way labeled Channel
Xwire Wireless SmartGateway -- PAN ID button is located on the right-hand side of the unit in the open access way

1) With the device powered ON, press the PAN ID button and note the LED pattern that is illuminated. This pattern indicates the default PAN ID.

2) Press the PAN ID button to change to the next available PAN ID. The PAN ID button must be pressed within 2-seconds of a previous button press or the device will timeout and return to its previous mode).

3) The last selection before the timeout occurs will be the selected PAN ID. If a PAN ID selection differs from the previous selection, the Xwire device will remove itself from its current network, reconfigure, and join/start the network with the new PAN ID.

ⓘ **NOTE**: If the PAN ID button is not pressed within 10-seconds, the unit will begin scanning for an available network and you must wait for the scanning sequence to complete before the PAN ID button is enabled.

4) You must set the PAN ID on all Xwire devices to the same PAN ID to allow the devices to communicate properly.

Troubleshooting

Should you experience problems installing your SCK Xwire products, or any aspect of your SCK Direct, Inc. services, please contact the SCK HelpDesk toll-free at **1.866.840.4271**.

Optional SCK System Components

SCK has a variety of optional accessories to help you complete your kitchen automation:

- SCK Kitchen Advisor Information Server
- SCK Remote Input Device
- SCK KSM Kitchen Status Monitor
- SCK-Enabled Appliance Controllers
- SCK Wireless (Xwire™) Appliance Interface
- SCK Wireless (Xwire™) Temperature/Door SmartSensor™
- SCK Wireless (Xwire™) SmartGateway
- SCK Wired Backbone

For additional information on any of these accessories, or to request Technical Specification Sheets, please contact your SCK Representative or contact SCK Customer Support toll-free at 1-866-840-4271 (Monday-Friday, 8:00 a.m. to 5:00 p.m. EST).

WARRANTY

SCK Direct, Inc. warrants all new Xwire hardware for 1 year from the date of purchase. SCK Direct, Inc. warrants all other items for a period of 90 days unless otherwise stated at the time of purchase.

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Thank You for Choosing SCK Direct, Inc!

SCK® **Direct, Inc.**

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