Fresh USA Smart Control
Quick Start

Version 2.1.0 RC1 | English US | November 20, 2026

Payment terminals from other manufacturers may also be integrated, subject to compatibility review. Square is used here as an example. Contact Fresh USA about connecting another POS system or payment terminal.

1 Prepare the readers before adding them

Assign every network reader its own IP address and a different TCP port before connecting it to Smart Control. Fresh USA provides a free reader configuration utility. Contact fresh@fresh222.com to obtain it and the instructions for your model.

1. When factory addresses are identical, configure one reader at a time. Use an unused address in your LAN, record the IP and TCP port, then verify the connection.

2. Close the configuration utility and other RFID programs before using the same reader in Smart Control. Only one controlling application should use an endpoint.

Reader example	Purpose	Connection example
F-02	Register items, then checkout	USB / COM number 3
F-920	Exit anti theft	192.168.1.190 : 6000
F-950	Smart Shelf	192.168.1.195 : 6005

These are examples, not required factory settings. USB / COM readers use a Windows port number and need no IP address. Distinct TCP ports are Fresh USA’s setup convention; do not duplicate an IP address or reader endpoint.

2 Install activate and sign in

1. Run the Fresh USA installer for your deployment. Accept the EULA if you agree, complete prerequisites, and restart only if requested. Use the installed desktop or Start menu shortcut.

2. Create the license request, obtain the issued license from Fresh USA, and import it. Sign in with your assigned user account.

3. In Settings → Company Profile & Document Templates, save Business name and the correct Sales tax (%). For example, 8.25 means 8.25 percent; use your actual approved rate. Use USD for your US dollar products and checkout.

3 Add and check the readers

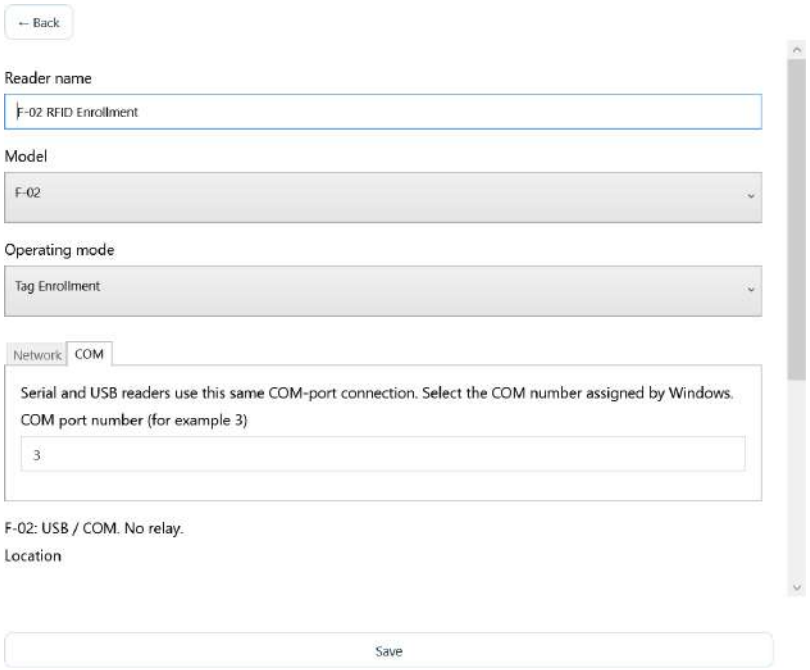
1. Open Settings → RFID Readers & Hardware → Add reader.

2. Enter a reader name and Location, select the exact Model and Operating mode, then enter its Network IP and port or COM number. For COM, enter 3 rather than COM3.

3. Review RF power, Reader sound / Buzzer, and available relay settings. Choose power for your actual environment and avoid reading neighboring tags. Save.

4. Verify one known tag on each reader before adding stock. Saved readers reconnect automatically after sign in and recoverable interruptions.

Task	Choose this mode
Register or assign tags	Tag Enrollment
Scan a retail sale on F-02	Checkout / Deactivate
Monitor an exit on F-920	Anti-Theft Monitoring
Monitor a shelf on F-950	Monitored storage



Reader setup and numeric COM entry | Actual RC1 screen, DEMO data.

Set the F-02 to Tag Enrollment while registering items, then change it to Checkout / Deactivate for sales. Baud rate is handled automatically. Sound and relay settings are independent; silence does not mean the reader has stopped reading.

4 Connect a payment terminal

Square is the example below. Other POS systems or terminal manufacturers require compatibility review and configuration by Fresh USA. Square connection is built into Smart Control; no separate SquareSetup application is needed.

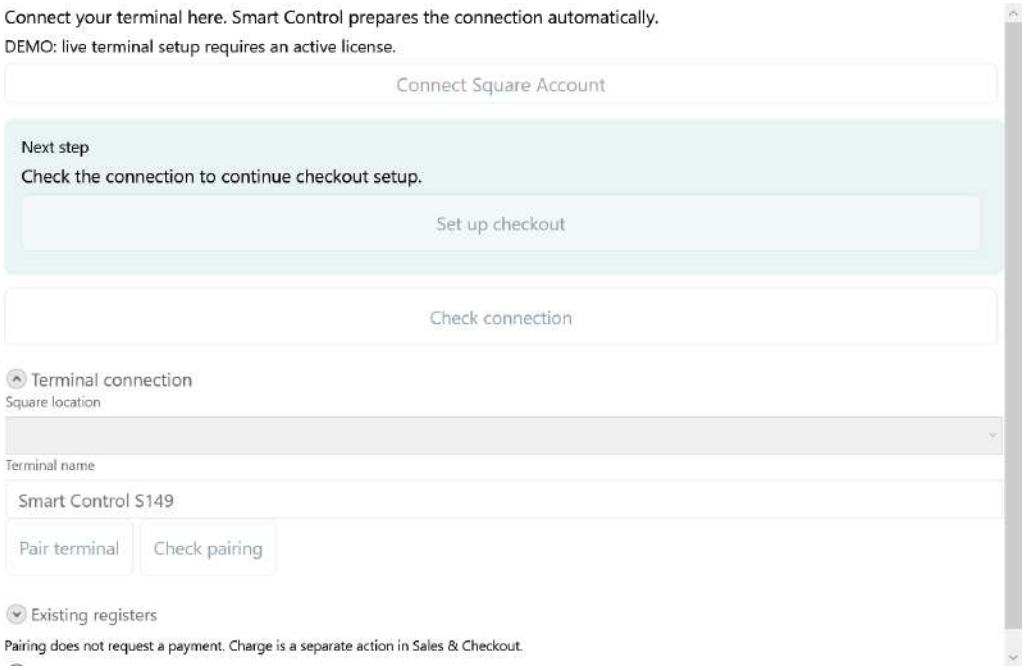
1. Turn on the Square Terminal, connect it to the internet, and finish its updates.

2. Open Settings → Payments & Square → Connect Square Account. An authorized account holder completes the official Square browser authorization. No secret or access token is needed for normal customer setup.

3. Choose Check connection and the correct Square location. Expand Terminal connection and choose Pair a terminal.

4. On the terminal, use Sign in → Device code and enter the code generated by Smart Control within five minutes. Back in Smart Control, choose Check pairing.

5. Choose Set up checkout. Save a register name, operator, and the F-02 checkout reader, then choose Open Checkout. If commissioning restricts live payments, the authorized owner reviews Application details → Enable live payments.



Built in Square settings shown in DEMO | Actual RC1 screen, DEMO data.

DEMO disables real terminal setup and payments. The screenshot shows the controls, not a live paired account. In live use, connection, pairing, register, and approved payment settings are retained after restart. Do not re-pair before every sale. If already saved, the connect action may be inside Application details.

5 Register items and try one complete sale

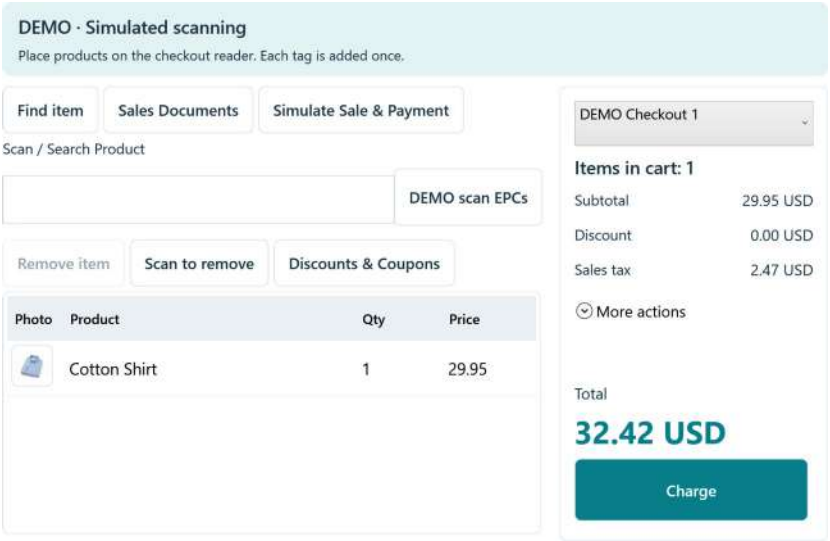
1. In Products → Add item, enter the name, SKU, price, currency, and tax category. With F-02 in Tag Enrollment, choose the enrollment reader → Read tags → Stop reading → Save. Verify the EPCs. Photos and purchase costs are optional.

2. For a shelf, open Smart Storage → location details → Administration → Edit storage. Select the intended items and reader, place the tags in coverage, then choose Save & place items. Review protection and the alarm delay.

3. Switch F-02 to Checkout / Deactivate and open Checkout. Move one item from the shelf to F-02 before the configured delay expires, or authorize its shelf removal first. Confirm the cart.

4. To cancel an item before payment, take it out of the scan field, select its line → Remove item, and return it to storage.

5. For an approved real sale, check the total → Charge once → complete payment on the terminal → wait for confirmed completion → issue the receipt. Only confirmed payment clears that item for exit.



Review the cart and total before Charge | Actual RC1 screen, DEMO data.

Shelf and exit protection are separate. Reading on F-02 can stop the shelf countdown; unpaid goods remain protected at the exit. Clearing Storage protection permits a shelf removal only. A returned unpaid item rearms after confirmed departure and return. A missing RFID read alone does not prove theft.

If payment status is uncertain, check the existing operation; do not charge again. Back up the database and matching photos before updates. For full procedures, returns, permissions, photos, and analytics, use the User Guide.

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