

Quick Reference Sheet (SC50)



See SAFR Quick Start Guide at <http://safr.com/portal> > Documentation for more info.

SAFR SCAN First Run

1. Plug in PoE (IP Address will be displayed on screen as device boots).
 2. Open SAFR SCAN Console at http://IP_ADDRESS obtained above.
 3. Click "Set Up System Login" when prompted and complete form. Then log in.
 4. Add faces in one of following ways:
 - a. Upload face images through "Add" button on the People tab.
 - b. Open Live tab, pose in front of device and then click "Enroll" on the resulting event.
 5. Test Face Matching.
 - a. Edit person record in People tab. Set Access Clearance to "Unlimited".
 - b. Stand between 1 to 3 feet from the device and verify that the LED ring flashes green.
- 🔔 *If LED ring does not flash green, check Troubleshooting section of the Quick Start Guide*
6. Confirm Structured Light Calibration
 - a. Open Live tab. Change video preview dropdown to 'Face 3D'
 - b. Stand between 1 to 3 feet from the device and verify contour map of face looks valid. See https://docs.real.com/access/guides/articles/calibrating_structured_light_sensor for details.
 7. Enable Wiegand, OSDP, or Relay outputs in Web Console as needed (wiring diagram on flip side).
 - a. Wiegand: System > Wiegand > Wiegand connection to Control Panel = Enabled.
 - b. OSDP: System > OSDP > OSDP connection to Control Panel = Enabled.
 - c. Relay: System > Door Strike Relay > Electric door strike relay = Enabled (adjust duration if needed).
 8. Add credentials to person record.
 - a. Go to People > Edit Person and set the following:
 - Access Clearance = Unlimited
 - Access Card Format = Select applicable format.
 - Access Card Facility ID and Access Card ID = Set to facility ID and user ID, respectively.

Now SAFR SCAN should be sending signal to panel to unlock door or close relay. See next page for wiring diagram.

Download and Install SAFR Software

Use SAFR On-Premises Server or SAFR Cloud to manage multiple devices centrally and synchronize people from your PACS.

Create a SAFR Account.

1. Go to <http://safr.com/portal>. Click on Downloads > Sign Up.
2. Choose between SAFR cloud or On-Premises and complete the form. Check your inbox to verify email address.
3. You should get an email within 24 hours to activate the license and set a password.

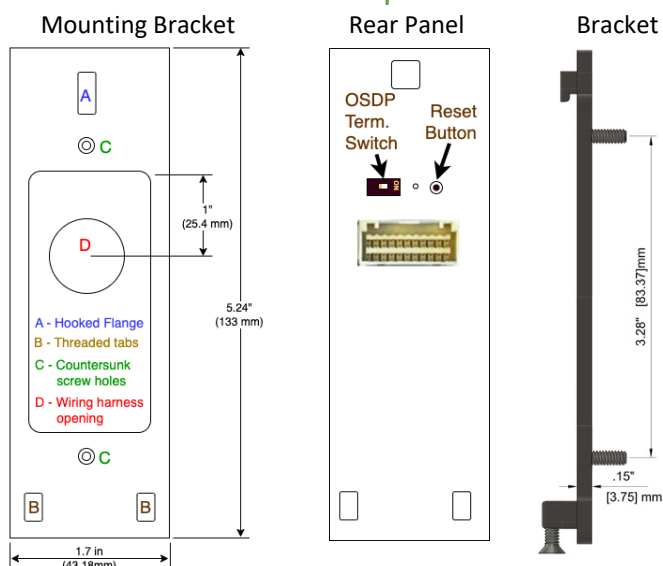
Install SAFR Platform or SAFR Desktop application.

1. Go to <http://safr.com/portal> > Downloads > Sign in. Sign in with the SAFR Account created above.
2. For On-premises, download and install SAFR Platform CUDA 10 Edition for Windows or Linux.
3. For SAFR Cloud, download and install SAFR Desktop.
4. When installation is complete, sign into the Desktop Client using the SAFR Account credentials.

Connect SAFR SCAN to SAFR On-Premises Server or SAFR Cloud.

1. Open the SAFR SCAN Web Console as described above and navigate to System > SAFR Server.
2. Choose "SAFR Cloud Server" or "SAFR Local Server".
 - If SAFR Cloud, enter the SAFR Account credentials.
 - If SAFR Server, enter the IP Address of SAFR Server and the credentials for the SAFR Account.

SAFR SCAN Hardware Setup



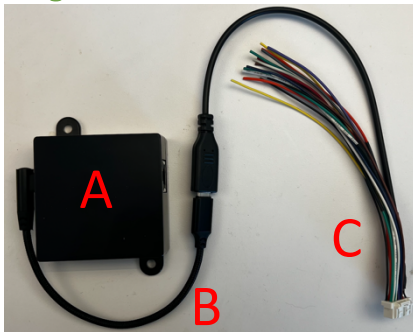
1. Remove mounting bracket from SAFR SCAN SC50 housing by unscrewing the two screws at bottom of housing using a 2mm hex wrench.
2. Attach mounting bracket to mullion or wall using 2 pre-drilled countersunk screw holes. Ensure threaded tabs (B) at bottom.
3. Hook SAFR SCAN housing to the hooked tab (A) and slide scan housing up until contacting threaded tabs (B).
4. Secure SAFR SCAN to mounting bracket with two screws using #1 Phillips screwdriver.

Tools Needed

- #1 Phillips screwdriver (SAFR SCAN device to Mounting Plate screws).

- **Reset Button:** Hold button for 10 seconds while device powered to reset device to factory defaults.
- **OSDP Termination Switch:** Set to On (right) on furthest reader if multiple readers on bus. Default is Off (left).
- **Relay:** NC/NO 120 VAC / 24 VDC max, 1 Amp max. twisted pair, 18 AWG.
- **OSDP/Wiegand/TTL:** 22 AWG shielded twisted pair, 4000 feet (1200 m) maximum.
- **Aux Power:** 10 VDC@1 Amp/30 VDC@0.3 Amp (10W). Twisted pair 18 AWG.

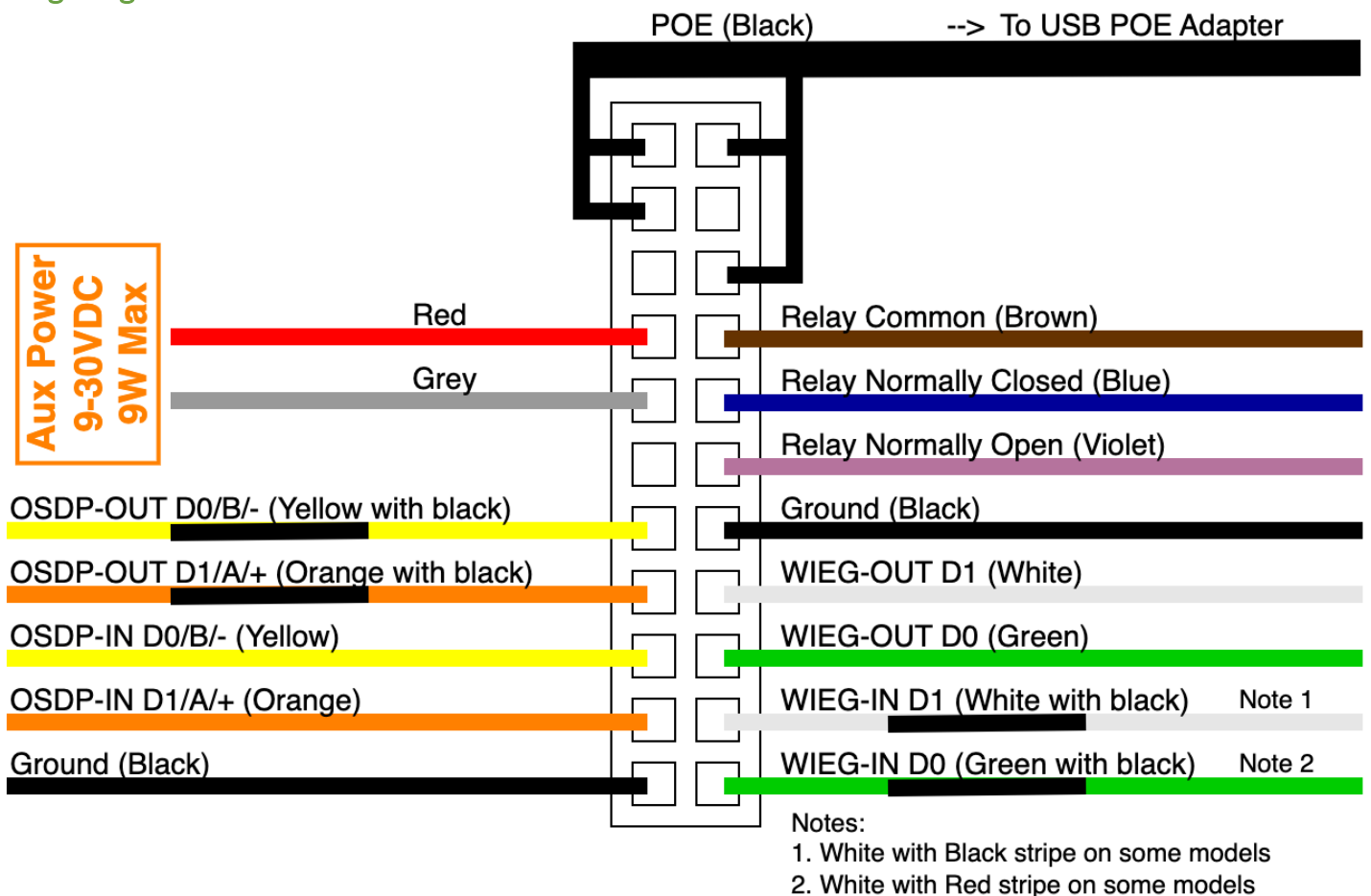
Connecting POE Network Connector Box assembly (Part # SFR-SC10 only)



1. Connect male 22 pin terminal block (D) of wiring harness to female connector on back of SC50.
2. Use the included UBC-C male to male cable to connect the PoE Adapter to the Wiring harness.
3. Connect the Wiring Harness to SAFR SCAN and an ethernet cable to the PoE Adapter box. If PoE Ethernet not provided, power unit through AUX Power on wiring harness.

Note: Requires PoE Ethernet even if power supplied via DC.

Wiring Diagram



⚠️ **ALWAYS** include ground wire with connectivity to panel ground. (Unlike card or PIN-only readers, scan is not powered from panel and thus requires a shared ground with panel or Wiegand/OSDP signals may not be interpreted correctly).

⚠️ Device must be grounded through earth ground to avoid issues arising from static electricity.

⚠️ Device must be shielded from strong continuous sunlight to avoid damage to display.

For product downloads and documentation go to <http://safr.real.com/portal>.

For Access Control Integrations <https://docs.real.com/access/integrations>

For help, go to <http://support.safr.com> or email us at support@safr.com.

By using this product you acknowledge and agree to be bound to the End-User License Agreement at <https://safr.com/scan-eula> and Terms of Service at <https://safr.com/terms-of-use-branded-products>.

