



surf-k/km

Quick Start Guide



Scan the **Aryo login** QR code to log in to your **dealer dashboard** on Aryo Cloud, where you can manage users, devices, and more.

For more detailed information, scan **the dealer portal** QR code and log in to download the product manuals.

Note - *ONLY authorized/registered dealers can perform the setup and installations.*

For proper operation, follow the steps below:

1. Log in to Aryo Cloud Platform

Log in to the Aryo Cloud platform using the credentials provided to you as an authorized dealer.

2. Add User on Aryo Cloud

On the dealer dashboard, go to the Users menu and select “**Add New Primary User**”. Register the user and submit the information.

3. Add Device on Aryo Cloud

After adding a user, you will be guided to the next tab to enter the device information. At this step, enter a specific account number obtained from your CMS to the system.

4. Confirm Device Assignment

Ensure that the device is assigned to the intended user.

5. Install Host Panel

Install and wire the alarm panel.

6. Power up & Program Host Panel

Power up the alarm panel and complete the required programming. Refer to Epic’s product manuals related to the alarm panel’s model as a guide.

7. Test Host Panel

Test the alarm panel for intended and proper operation.

iv. Legacy

There are 3 Surf-K/KM input zones to monitor burglary, fire, and panic signals by default. Connect the positive (+) and ground (-) of a 12 VDC relay to the corresponding panel siren terminals.

8. Power Down Host Panel

Turn the host panel off, before the next step.

9. Connect Surf-K/KM to Alarm Panel

While the system is powered down, provide Surf-K/KM with 9 to 16 VDC from the alarm panel.

i. Keybus

Connect the alarm panel's power terminals to those of Surf-K/KM and the alarm panel keybus terminals to the YEL and GRN terminals on Surf-K/KM.

ii. Dial Capture

Connect the power terminals from the alarm panel to those of Surf-K/KM. Additionally, establish connections by linking the alarm panel Tip and Ring to TIP and RNG terminals on the Surf-K/KM.

If using keyswitch arming, use PGM1 and zone 1 for partition 1 or PGM2 and zone 4 for partition 2.

iii. Keybus + Dial Capture

For locked alarm panels that were monitored before, connecting Tip and Ring lines in addition to keybus to the alarm panel will eliminate the TLM trouble.

Connect the N.O. output of the relay to zone 2 on Surf-K/KM to monitor burglary signals of any panel or both burglary and fire signals for all DSC legacy panels.

Use other available panel outputs to monitor other signals. PGM1 and zone 1 can be used for keyswitch arming.

10. Power up Alarm Panel

Power up the alarm system and Surf-K/KM.

11. Check Cloud Connection & Complete Aryo Cloud Configurations

After a few minutes, Surf-K/KM will connect to the Aryo Cloud platform, which can be verified by the onboard LEDs or on the cloud. Then, view the device, and configure the device and alarm panel settings, such as zone definitions, PGM settings, and other parameters on the Aryo Cloud platform to ensure proper system operation.

12. Validate Cloud Connection & Event Transmission

Test the system. Ensure events are transmitted properly to the Aryo Cloud platform.

15.LEDs

13. Validate Monitoring

Verify that all the events that are transmitted to the cloud are received by CMS.

14. Configure the User's Mobile App

- If registration is completed correctly in Step b, User will receive an email from the Aryo Cloud with a link to set up their account.

- User downloads the Aryo app from the App Store (iOS) or Google Play (Android).
- Upon successfully logging in to the Aryo app, User will be prompted to change their password.
- After setting a new password, User can access and manage their system through the app, depending on the communication type*.

* User must update the default master code for remote control when the keybus is not used.

Condition	Status	LED	Color	On	Off	Fast blink	1 blink	2 blinks	On- 1 blink
Power	DC power on	1	Red	X					
	DC power off	1	Red		X				
	Device not registered	1	Red				X		
	Device troubles	1	Red			X			
Cellular Network	No cellular network	2	Green			X			
	Poor signal	2	Green				X		
	Acceptable signal	2	Green					X	
	Good signal	2	Green						X
	Excellent signal	2	Green	X					
Server Network	Connecting to server	3	Green				X		
	Disconnected from server	3	Green		X				
	Communicating with server	3	Green			X			
	Connected to server, but not communicating	3	Green	X					
Panel Communication	Dial Capture	4	Green				X		
	Keybus	4	Green			X			
	Dial Capture and Keybus	4	Green	X					
	Legacy	4	Green		X				
	Firmware update in progress	All	Red/ Green	Alternating LEDs. LEDs 1&2 are on/off while LEDs 3&4 are off/on.					