

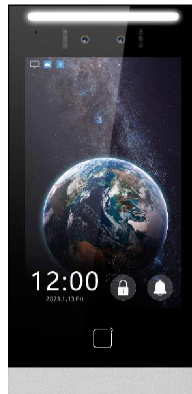
Meet your intercom

NS-VIO-10 / VIO-8 / VIO5

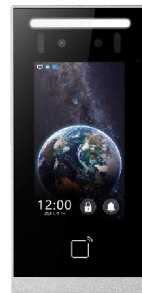
See visitors, answer calls and manage entrance access. This guide covers surface mounting, wiring, setup and everyday use for all three outdoor stations.



NS-VIO-10 / 10.1"



VIO-8 / 8"



VIO5 / 5"

Front: compensation light, infrared / dual camera, capacitive touchscreen and IC card reading area. Product images show the stations without their included rain covers.

QUICK START

01 / Mount	Choose the location, fit the rain cover and secure the station. Page 2.
02 / Connect	Connect 12 V DC and LAN; check any PoE splitter. Page 3. Wire the lock supply and optional BOX4 controller. Page 4.
03 / Configure	Secure administrator access and set the network. Page 5. Add rooms and users. Pages 6-7. Pair the app. Page 8.
04 / Use & maintain	Make calls, unlock and adjust settings. Page 9. Commission, troubleshoot and maintain the system. Page 10.

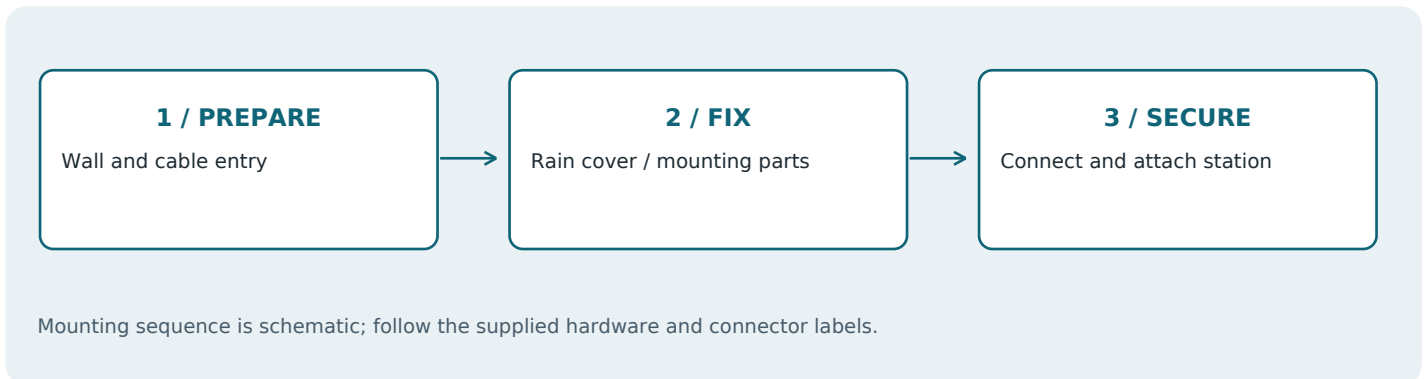
BEFORE YOU START

Isolate power before mounting or wiring. The station requires 12 V DC. Never connect mains AC directly to the station, and do not connect an electric lock directly to its unlock output.

Mount the station

SURFACE MOUNTING / RAIN COVER INCLUDED

Test the camera view, network connection and face-recognition position before drilling. Use the actual rain cover and mounting hardware as your fixing template.



1 Choose the position

The source mounting illustration shows approximately 1.4 m above floor level. Check the camera view against the intended users. Avoid strong backlight and keep the lens and card reader unobstructed.

2 Mark and prepare the wall

Check for concealed services. Mark fixing holes and cable entry using the actual hardware. Select suitable anchors for the wall; the source does not specify drill diameter or screw torque.

3 Fit the rain cover and mounting hardware

Keep all components upright and secure them to a sound, flat surface. Protect rear cable entries from water and avoid trapping or sharply bending the cables.

4 Connect, secure and test

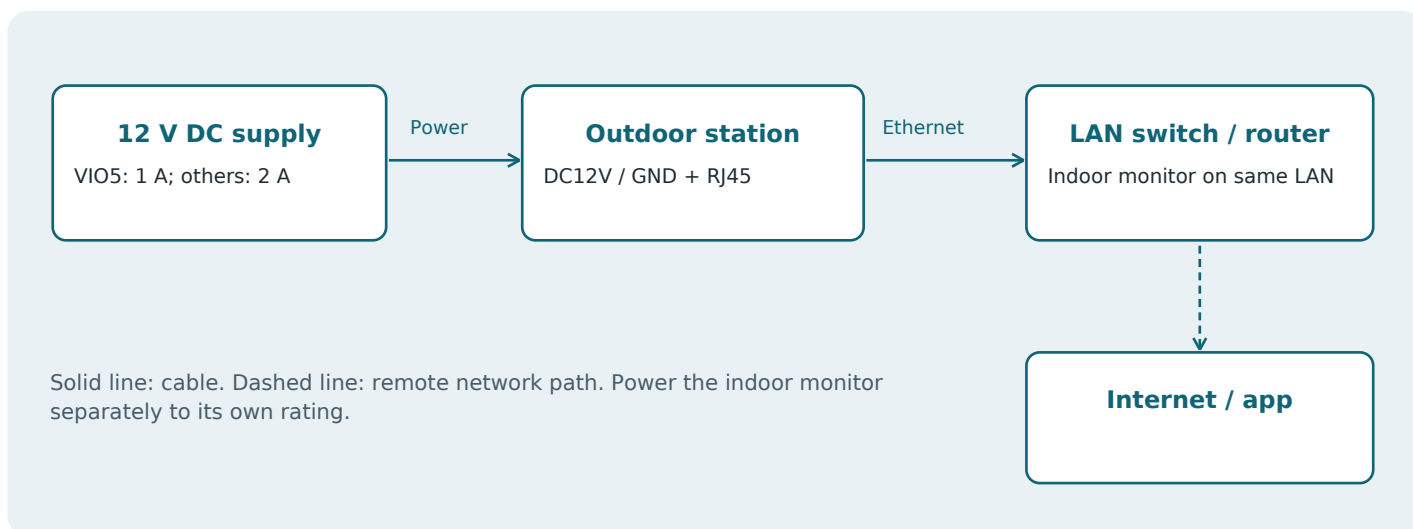
With power isolated, complete the connections on pages 3-4. Attach and secure the station using its retaining hardware. Restore power and check that it cannot lift away; test the view and access functions.

Station dimensions (W x H x D): NS-VIO-10 170 x 322 x 20 mm; VIO-8 132 x 270 x 20 mm; VIO5 95 x 200 x 20 mm. IP65; operating temperature -30°C to +55°C, per source manual V2.1.

Power & network

12 V DC / WIRED LAN / OPTIONAL Wi-Fi

Use a regulated 12 V DC supply and a wired LAN connection. Wi-Fi is available only on units fitted with the optional Wi-Fi module.



POWER & CONNECTION REFERENCE

Supply rating	NS-VIO-10: 12 V DC / 2 A. VIO-8: 12 V DC / 2 A. VIO5: 12 V DC / 1 A. Verify polarity before applying power.
Wired data	Connect station RJ45 to the LAN switch / router. Use a tested Ethernet cable; the source specifies T568B termination.
PoE accessory	GB-SP4812 is an external PoE splitter: 12 V DC output, 12.9 W maximum, DC5521 male connector. Its data output goes to RJ45; its DC output goes to the station power input using a verified matching connection.
PoE selection	12.9 W is below the 24 W supply capacity specified for NS-VIO-10 and VIO-8. Use their specified DC supply unless a suitable splitter is approved. For VIO5, confirm peak load, DC polarity / fit and PoE-source compatibility before use.

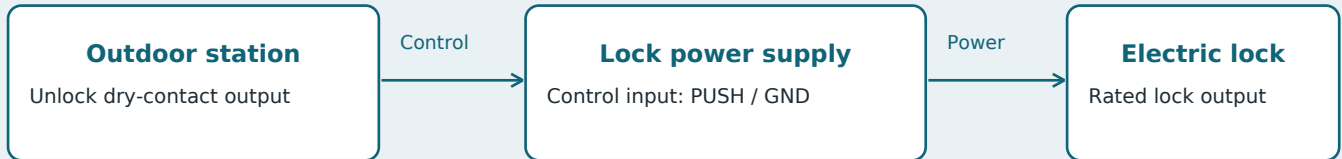
POWER CONNECTION CHECK

The station RJ45 is documented for LAN; native PoE support is not specified. Use an approved external splitter for PoE conversion. Use one verified station power path and provide lock power separately.

Connect the lock

LOCK POWER SUPPLY / OPTIONAL BOX4 CONTROLLER

The station provides a control output. Use a compatible lock power supply or controller to switch the electric lock, with its own rated power source.



Concept diagram only. The source supply uses GND + NC for a magnetic lock and GND + NO for an electric control lock. Match the actual supply and lock documentation; terminal functions differ between supplies.

1 Wire with power isolated

Connect the station unlock contact pair to the compatible supply control input (PUSH and GND in the source example). Connect station +12 V and GND to the regulated station supply. Follow actual terminal markings.

2 Connect and configure the lock

Connect the lock to its rated power supply output. Open Menu > Admin Login > Access Control Settings. Set Number of Locks, Lock Name, Output Mode and Lock Opening Time (1-99 seconds). Save and test the release and relock cycle.

BOX4 / OPTIONAL FOUR-DOOR CONTROLLER

Connect	BOX4 requires 12 V DC and communicates with the station over RS485. Match A / B and any reference connection to the supplied controller labels; terminal pin order is not defined in the station manual.
Configure	Menu > Admin Login > RS485 Config: select the controller function and its matching baud rate (4800 or 9600). Save. Select the installed number of locks, up to 4, in Access Control Settings.
Controller I/O	Four relay outputs; channel 1 also supports powered output. Four inputs for push button, door status, fire alarm and tamper alarm. Check controller contact ratings and input requirements before wiring.

Do not infer built-in door-sensor or tamper-alarm support from a visible menu: V2.1 limits those station functions to other models. BOX4 input capability does not by itself confirm firmware integration.

First-time setup

ADMINISTRATOR ACCESS / NETWORK / TIME

Complete these steps after the station is securely mounted and wiring has been checked. Keep the administrator code with the authorised site owner.

1 Sign in as administrator

From the home page, tap Menu > Admin Login. The factory administrator code is 516516. Open Access Code Config and set a new six-digit Admin PIN code; save and verify the new login. Set or disable the separate Unlock PIN code as required.

2 Set the wired network

Open Menu > Admin Login > LAN. Choose Automatic to obtain an IP address automatically. For a managed network, enter an approved IP address, subnet mask, gateway and DNS in Manual mode. Save and check the network status.

3 Join Wi-Fi, if fitted

Open Menu > Admin Login > WLAN. Turn Wi-Fi on, select the network, enter its password and tap OK. Confirm Connected. If the optional Wi-Fi module is absent, use LAN.

4 Set the station identity

Open Station Settings. Set the installation Type, Location and group / building / unit / extension values to match the site plan. Give each station extension a unique number within its group.

5 Set date, time and sound

Open Date & Time, choose the site time zone, date / time format and daylight-saving settings, then Save. In Volume, set prompt, call and ringtone levels. Accurate time is needed for access validity and schedules.

CHECK BEFORE CONTINUING

Check the status icons for network, internet and app binding. Use About to record the software version and device details. Menu labels can vary with the delivered firmware.

Add rooms & calling

ROOM MANAGEMENT / STATION SETTINGS

Indoor monitors and other call stations must be reachable on the same LAN for the basic local setup. Add the target room before testing a call.

1 Add a destination

Open Menu > Admin Login > Room Management and tap +. Choose Smart Terminal for a monitor or Smart Call Station for another station. Enter Location and the destination group / room or device number, matching the destination device.

2 Save the room details

Group numbers are 1-9999; extensions are 1-99. Enter an IP address only when the network design requires it, such as a routed Layer 3 setup. Tap Save. The source supports one trailing letter in a room number, e.g. 1A maps to 101.

3 Choose how visitors call

Open Station Settings > Dial Mode and choose one of the modes below. Save, return to the home page and place a test call. If Call Confirmation is enabled in Room Mode, visitors must confirm after selecting the room.

THREE CALLING MODES

One-Touch Call	Tap the doorbell icon. After rooms are added, the station calls the first room in Room Management. Verify this is the intended destination.
Dial Mode	Tap the phone icon and enter the target room number to call.
Room Mode	Tap the room directly, or use the room-number entry page. More than 20 rooms are paged; the search box is available when the list exceeds 20 rooms.

BATCH ADD / APP FORWARDING

Batch Add Rooms uses start / end floors and rooms (1-99 each) and assigns the station group. For app calls, bind the room on page 8 first, then set Call Transfer to App in Station Settings (0-99 seconds).

Manage user access

FACES / IC CARDS / RESIDENT PIN CODES

Use Resident permissions for ordinary users. Administrator users can also enter system settings. Disable or remove access promptly when a user leaves.

1 Create the user

In Station Settings > User Data Entry, select Local + Management Platform for local enrolment. Open User Management > Local > +. Enter a unique employee ID, name, room number, user type, enabled status and validity period.

2 Enrol a face

In User Info, tap + in the face frame. Centre one face in the capture area, tap Take Photo, then Confirm and Save. Use even lighting, a clear face and an eye-level view. Remove masks and sunglasses for enrolment; retake blurry or poorly framed images.

3 Register an IC card and PIN

Open Access Card / Card SNR, present the card to the reading area, confirm the recognised number and Save. Set the user's six-digit password and room number. Enable Resident PIN code in Access Code Config if PIN access is required.

4 Enable recognition and test

Open Facial Config and enable Facial. Keep Live Detection enabled. Retain the source recommended face / live thresholds (80 / 60) unless commissioning requires adjustment. Test face, card and PIN access with the actual user.

5 Review or remove permissions

Search User Management by ID or name. Edit the user, disable Status, or tap Delete as appropriate. Check expiry dates and confirm that a disabled user can no longer unlock.

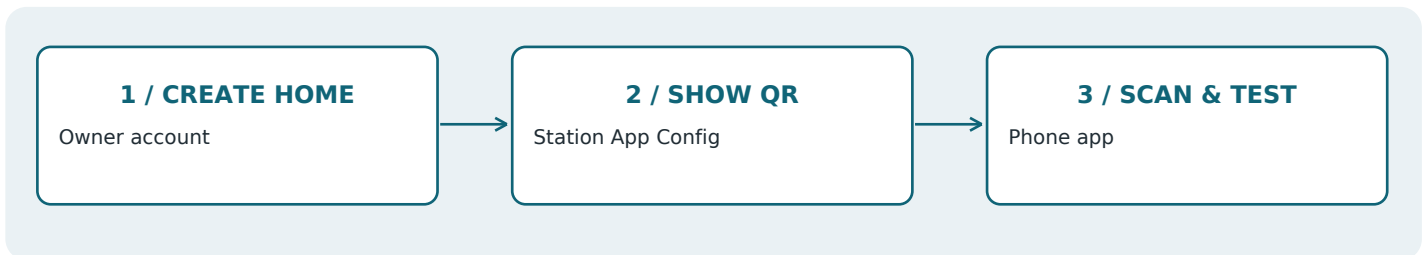
MANAGEMENT PLATFORM MODE

In Management Platform mode, synchronising platform changes can overwrite locally added user data. Plan the data-entry mode before enrolment. Local + Management Platform keeps the two data sets separate.

Pair the mobile app

TUYA SMART / SMART LIFE

The station manual specifies Tuya Smart / Smart Life. The steps below follow Tuya Smart; use the app supported by the delivered firmware and the owner's account.



1 Create a Home before adding the station

Install Tuya Smart, register or sign in, then open Me > Home Management > Create a Home. Select that Home. Enable the phone permissions needed for calls, microphone, camera and notifications.

2 Display the device pairing code

On the station, open Menu > Admin Login > App Config (some versions show Pair Phone Apps / Add App). Tap Free in the Mobile ID section to generate the pairing QR code.

3 Link the correct room

For a single-home version, enable Designated Room Number Calling and enter the intended room if only that room should call the app; when disabled, calls to any room may reach the app. For a multi-home version, enter the room number before generating its QR code.

4 Scan and verify

In the selected Home, tap + > Scan and scan the QR code displayed by the station. Check the station shows the app as added / bound. Call the assigned room, answer on the phone and test audio and the unlock control.

REMOTE ACCESS CHECK

Create the Home first so invited users can receive the correct unlock controls. Test again using the phone's mobile data. If Unlock is absent, check the selected Home, user permissions, binding and room assignment.

Everyday use & settings

CALLS / UNLOCKING / RECORDS

Only authorised users should unlock the entrance. Verify the visitor before using remote release, and confirm the door closes and relocks after entry.

CALL & UNLOCK

Answer a visitor	Answer the indoor monitor or app call. Use the microphone control and volume slider during a station call; tap the hang-up button to finish.
Face or card	Face the camera with an enrolled face, or present a registered IC card to the reading area. If automatic recognition is disabled, use the facial access control on screen.
Resident PIN	Tap Menu > User Access. Enter the assigned room number and resident PIN, then Confirm. Resident PIN access must be enabled.
Other access	The configured Unlock PIN is entered through SOS Password / Access Code, depending on firmware. QR access requires QR Code Config enabled and a valid credential. Phone NFC depends on handset, credential and firmware compatibility; verify before relying on it.

ADJUST & REVIEW

Records	Access Records lists the time, access method, user / device and captured photo. Upload to management software requires its LAN connection and configuration.
Video / detection	Camera & Video Config offers SD 640 x 360 or HD 1280 x 720, codec, night mode and Two-way Video. Facial Config includes recognition distance, automatic recognition and motion detection; app alerts depend on configuration.
Access schedules	Door Access Scheduling > Add: choose Standard Operation, Stay Open or Stay Close; set time periods and date / weekday rules, then Save. Verify the schedule and current time before enabling a hold-open period.
Display / management	Desktop Management changes Room Mode controls and colours; keep Menu available. Ad Settings controls playback and time slots. Server Config is for the installer's management platform; use the site's server details.

Check, maintain & support

COMMISSIONING / TROUBLESHOOTING / RESET

Before handover, test each fitted access method and lock channel, confirm power recovery, and give the owner the administrator credentials and room / network records securely.

QUICK TROUBLESHOOTING

No power / restarts	Check the 12 V DC supply capacity, polarity, connectors and cable voltage drop. If a splitter is used, check its power budget and source compatibility; see page 3.
Offline / no calls	Check Ethernet or Wi-Fi, IP conflicts and router connection. Verify destination group / room details and local network reachability. For app calls, check internet, binding and the assigned room.
Face / card / PIN fails	Check that the user is enabled and within the validity period. Confirm the correct card or room + PIN. Clean the lens, improve lighting, re-enrol a clear face and verify Facial / Resident PIN settings.
Unlock command fails	Check lock supply power, output mode, opening time and wiring to PUSH / GND or the verified controller input. For BOX4, check RS485 settings and the selected channel. Do not bypass the supply by connecting the lock to the station.
No mobile alerts	Check phone notification permissions, app / Home membership, room binding and detection settings. Confirm remote operation on mobile data.

MAINTENANCE & RECOVERY

Clean with a soft cloth lightly dampened with water; avoid chemical cleaners. Inspect the rain cover, fixings and protected cable entry. Keep the camera and card reader clear.

Forgotten administrator code: an authorised installer can hold the physical password-reset button for 5 seconds until the “ding-dong” tone. V2.1 states that this restores the administrator code to 516516. Secure the installation and immediately set a new code; this is not a general factory-reset procedure.

System Settings: use Reboot or the appropriate firmware / software update when required. Directory deletion, Wipe All Data, app unbinding and Restore Factory Set can remove configuration or access data, including synchronised platform data. Record required settings before proceeding; do not interrupt an update.

Prepared from Outdoor Station Manual V2.1 (251125) and supplied accessory specifications. Screens and menu names may vary with firmware. For service, provide the model, software version and fault details.