



Instruction Manual



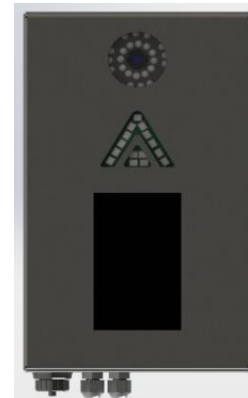
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Introduction:

-Introducing our groundbreak- ing turnstile solution, the first in the market to use patented technology for dual validation. Our system uniquely pairs a worker's SST card with facial recognition to ensure authentic and secure site access, setting a new standard in construction site security.

Our system ensures the highest level of security by requiring two forms of verification. The SST card confirms certification, while the facial recognition validates the worker's identity, ensuring that both credentials match for access.



INSTRUCTION FOR THE ADMIN /SUPER_ADMIN:

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Step 1: Project Unboxing & Content Verification

Before installing the app, ensure that all necessary components are available:

Check Project Contents:

- Verify all required documents and assets related to the project.
- Ensure all hardware or digital components are present if applicable.

Step 2: Install the App and Login

Scan the provided QR code to download and install the app.

A. ADMIN ANDROID APP: -



B. ADMIN IOS: -



Step 3: Login to the App

1. Open the app.
2. Enter the following login credentials:
 - **Email:** test@gmail.com
 - **Password:** test
3. Click on '**Login**' to proceed.

Step 4: Upload Documents

If you need to upload any documents such as **Orientation, ToolBox, or PreShift**, follow these steps:

1. Click on the '**DOCUMENTS**' button.
2. Select the document type (**Orientation, ToolBox, or PreShift**).
3. Upload the required document from your device.

Step 5: Manage Workers

To view and edit worker details:

1. Click on the '**WORKERS**' button.
2. Browse the list of workers.
3. Select a worker to **view or edit** their data.

Step 6: Manage Assets

For asset management, including adding or editing assets:

1. Click on the '**ASSETS**' button.
2. View the existing assets.
3. Edit asset details or add a new asset as required.

Step 7: Check Worker Timestamp

To check when a worker was on-site:

1. Click on the '**ON SITE USER**' button.
2. View the timestamp details of the worker's site check-in and check-out.

Step 8: Manage Pending Worker Details

If any worker's details are incomplete, follow these steps to update them:

1. Click on the '**PENDING WORKER**' button.
2. Select the worker whose details need to be completed.
3. Edit and save the necessary information.

Step 9: Update Admin Profile

To update your own profile:

1. Click on the '**PROFILE**' button.
2. Update your details as required.
3. Save the changes.

Role	Access Level
Super Admin	Can access only the assigned projects allocated by the Admin.
Admin	Has access to all sites and full control over the platform.

NOTE: The app interface is the same for both **Admin** and **Super Admin**, but their login credentials will determine their access levels.

INSTRUCTION FOR THE USER APP: -

Step 1: Install the App

Scan the provided QR Code to download and install the app.

A. USER ANDROID APP: -



B. USER IOS APP: -



Step 2: Sign Up / Login

Once the app is installed, follow these steps:

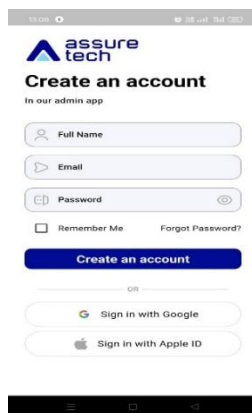
1. Open the app and click on the '**Sign-Up**' button to create a new account.
2. Alternatively, you can log in using your **Google/Apple ID**.
3. After successful login, use the credentials you created or continue with your **Google/Apple ID**.

Step 3: Complete Your User Profile

After logging in, it is mandatory to complete your profile. Follow these steps carefully:

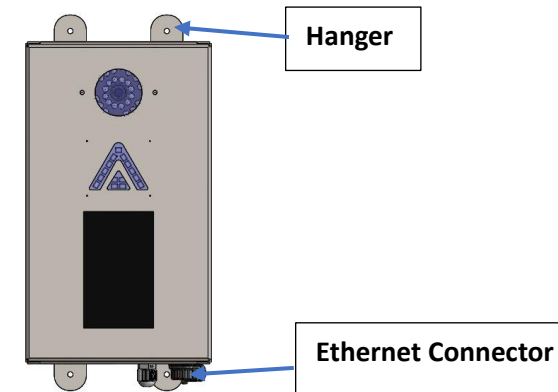
1. Click on the '**USER PROFILE**' button.
2. Click on the '**Profile**' button and fill in all the required details.
3. Click on '**FACE ENROLLMENT**' and upload your **face image** using either the camera or the gallery.
4. Click on the '**ORIENTATION**' button, add your **signature**, and then click '**SUBMIT**'.
5. Click on the '**SST**' button to upload your **SST card**:
 - First, click on '**CAPTURE YOUR CARD**'.
 - Then, click on '**UPLOAD YOUR CARD**'.
 - If the SST card is expired, a **pop-up message will appear**, and the upload will not be allowed.
6. Click on the '**TAG_ID**' button to upload your **RFID Tag ID**:
 - Enter the **TAG_ID** provided with your RFID tag or You can scan with QR code.
7. Once all sections are complete, ensure your profile reaches **100% completion**.
8. Click '**Save Profile**' to finalize the process.

Note: Your profile will not be considered complete unless all required sections are filled and saved.



INSTRUCTION FOR CONTRACTOR (HARDWARE INTALLATION): -

1. First of all, the project box and RFID is to be fixed on the turnstile gate through screw.



2. Connect all connectors as per the labels on the Wires.
3. To establish an internet connection, connect the Ethernet cable.
4. For power up it, connect it to 24V power adaptor, which we given.
5. After complete the installation, we should check the all connection and cross verify those.
6. Also, will test the metal sensor and solenoid as per given below points.
7. We need to check leakage power between metal mole and BOX. It should be less than 1V.

• User Enrollment:

1. First, download and install the User App using the QR code provided.
2. Follow the given instructions to complete the enrollment process.

• Hardware Testing:

1. Once enrollment is complete, test the hardware using the **Tag_ID** and the enrolled face.
2. Upon successful scanning of both, the solenoid should be triggered, allowing passage through the gate.

• Gate Locking Mechanism:

1. After a single turn of the gate, it should automatically lock.
2. If the gate locks successfully, the metal sensor should also function correctly.

- **VNC Connection:**

1. Download and install RealVNC. After installation, log in using the official ID.
2. Ensure that the Raspberry Pi and the device (laptop or mobile) running VNC are connected to the same WiFi network.
3. Enter the address `Assure_Tech.local` in VNC Viewer to establish a remote connection. Once connected, the VNC remote display should show the same output as the turnstile box display, including the live camera feed.

TROUBLESHOOTING AND SUPPORT:

1. **Enrollment Issues:**

- **Problem:** Unable to install or sign up on the User App.
Solution: Ensure your device has an active internet connection and enough storage. If the issue persists, reinstall the app and try again.
- **Problem:** RFID Tag_ID is not recognized.
Solution: Verify that the correct Tag_ID is entered and ensure the RFID tag is functional.

2. **Hardware Malfunctions:**

- **Problem:** Solenoid does not trigger after scanning.
Solution:
 1. Ensure the Tag_ID and enrolled face match.
 2. Check wiring connections and power supply to the solenoid.
 3. Restart the system and try again.
- **Problem:** The turnstile gate does not lock after rotation.
Solution:
 1. Inspect the metal sensor and confirm it is properly aligned.
 2. Ensure there are no obstructions preventing the gate from locking.
 3. Restart the system and test again.

3. **Network and Connectivity Issues:**

- Problem:** Unable to connect the system to the internet.
- Solution:**
1. Verify the Ethernet cable is properly connected.
 2. Restart the router and check the network settings.
 3. Reboot also turnstile box.

4. **If VNC is not connecting:**

1. Create a mobile hotspot with the following details:
 - a. **SSID (Hotspot Name):** Designmaster
 - b. **Password:** Ult@9128
2. Disconnect the Ethernet cable from the Turnstile box and reboot it.
3. Check on your mobile if the Raspberry Pi (Turnstile box) is showing as a connected device.
4. If the device is connected to the mobile hotspot, open VNC Viewer and enter `Assure_Tech.local` to connect again.

5. **General Maintenance and Support:**

1. **Regular Checks:** Periodically inspect all connections, power sources, and hardware components.
2. **Contact Support:** If issues persist, reach out to technical support with a detailed description of the problem.
- 3.

Contacting Support –

 **Email:** [Support Email]

 **Phone:** [Support Contact Number]

 **Operating Hours:** Monday to Friday, **9:00 AM - 6:00 PM (IST)**

For hardware-related issues, report to the technical team with error screenshots (if applicable).

 **Support Website:** <http://assure-tech.net/Support>