eSSL MB20+ID

Essl MB20 Facial Biometric Time & Attendance Device

INSTRUCTION MANUAL

Brand: eSSL | **Model: MB20+ID**

PRODUCT OVERVIEW

The Essl MB20 is a facial biometric time and attendance device designed for efficient workforce management. It integrates advanced facial recognition, fingerprint scanning, and card identification technologies to provide secure and accurate attendance tracking. This device is suitable for various environments, offering robust performance and user-friendly operation.

- **User Capacity:** 1,000
- **Finger Capacity:** 500
- **Face Capacity:** 200
- **Transaction Capacity:** 50,000
- **Communication:** TCP/IP, USB2.0 HOST
- **Data Transfer:** Push Data functionality supported
- **Display:** Color LCD
- **Audio:** Stereo Speaker

Image: Front view of the Essl MB20 device, showing the color LCD screen, keypad, and fingerprint scanner.

SETUP GUIDE

1. Unboxing and Initial Inspection

1. Carefully open the packaging and remove the device and all accessories.
2. Verify that all components listed in the packing list are present.
3. Inspect the device for any visible damage. If damage is found, contact your supplier immediately.

2. Hardware Installation

1. Choose a suitable location for installation, ensuring it is stable, dry, and away from direct sunlight or extreme temperatures.
2. Mount the device securely to a wall using the provided mounting bracket and screws. Ensure it is at an appropriate height for users to comfortably access the facial scanner and fingerprint sensor.
3. Connect the power adapter to the device's power input port and then plug it into a standard electrical outlet.

3. Network Connection (TCP/IP)

1. Connect an Ethernet cable from your network router/switch to the LAN port on the device.
2. On the device's menu, navigate to**Communication** > **Network Settings**.
3. Configure the IP Address, Subnet Mask, Gateway, and DNS settings according to your network configuration. You may use DHCP if your network supports it.
4. Verify network connectivity by pinging the device's IP address from a computer on the same network.

OPERATING INSTRUCTIONS

1. User Enrollment

Before users can record attendance, they must be enrolled in the device's system.

1. Access the device's main menu (usually by pressing 'M/OK' and entering administrator credentials).

2. Navigate to **User Management** > **New User**.

3. Enter the User ID and User Name.

4. **Enroll Face:** Select 'Enroll Face' and position the user's face within the camera's frame as instructed by the device. Ensure good lighting and a neutral expression.

5. **Enroll Fingerprint:** Select 'Enroll Finger' and place the user's finger on the scanner. Repeat the process multiple times (typically 3 times) for accurate registration.

6. **Enroll Card (if applicable):** Select 'Enroll Card' and present the proximity card to the device's card reader.

7. Set the user's role (e.g., Normal User, Administrator).

8. Save the user information.

2. Time & Attendance Recording

Users can record their attendance using their enrolled credentials.

1. Approach the device.

2. Present your face to the camera, place your enrolled finger on the scanner, or present your enrolled card to the reader.

3. The device will confirm successful verification with an audible prompt and display a confirmation message on the screen.

4. The transaction (e.g., Check-in, Check-out) will be automatically recorded.

3. Data Management

Transaction data can be retrieved from the device for reporting and payroll processing.

- **USB Data Download:** Insert a USB flash drive into the device's USB HOST port. Navigate to **Data Management** > **Download Attendance Log** to transfer data to the USB drive.

- **Software Download (TCP/IP):** Use the provided time attendance management software (e.g., eSSL BioTime) on a networked computer to connect to the device via TCP/IP and download attendance records.

MAINTENANCE

- **Cleaning:** Regularly clean the device's screen, camera lens, and fingerprint sensor with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.

- **Software Updates:** Periodically check the eSSL official website for firmware updates. Keeping the firmware updated ensures optimal performance and security.

- **Data Backup:** Regularly back up attendance data to an external storage device or computer to prevent data loss.

- **Environmental Conditions:** Ensure the device operates within its specified temperature and humidity ranges to prolong its lifespan.

TROUBLESHOOTING

Issue	Possible Cause	Solution

Issue	Possible Cause	Solution
Device not powering on	No power supply; faulty adapter/cable	Check power connection; test power adapter; ensure outlet is functional.
Fingerprint not recognized	Finger wet/dirty; improper placement; poor enrollment quality	Ensure finger is clean and dry; place finger flat on sensor; re-enroll fingerprint if necessary.
Face not recognized	Poor lighting; face too close/far; changes in appearance; poor enrollment quality	Ensure adequate lighting; maintain proper distance; re-enroll face if significant changes occurred.
Network connection issues	Incorrect IP settings; faulty Ethernet cable; network firewall	Verify network settings; check cable; temporarily disable firewall for testing.
Data transfer failure	USB drive format issue; software connection error	Ensure USB drive is FAT32 format; check software connection settings and device IP.

TECHNICAL SPECIFICATIONS

Feature	Specification
User Capacity	1,000
Finger Capacity	500
Face Capacity	200
Transaction Capacity	50,000
Communication	TCP/IP, USB2.0 HOST
Push Data	Yes
Display	Color LCD
Sound	Stereo Speaker
Model Number	MB20+ID
Product Dimensions (LxWxH)	16.19 x 15.28 x 3.05 cm
Item Weight	750 g
Manufacturer	eSSL Private Limited.
Country of Origin	India

WARRANTY AND SUPPORT

This Essl MB20 device comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including the warranty period and

coverage details. For any warranty claims or service requests, please retain your purchase receipt.

For technical assistance, software installation support, or any queries regarding the operation of your device, please contact eSSL customer support. Online support resources, including FAQs and software downloads, may also be available on the official eSSL website.
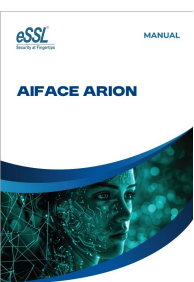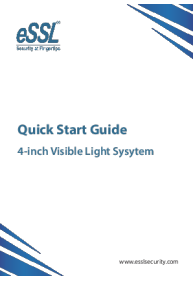

Image: Essl MB20 device displaying the time, alongside a QR code for online support.

Scan this QR code for free software installation support and more information: https://qr.page/g/1RCdlB1BFGZ

Related Documents - MB20+ID

eSSL AIFACE ARION Manual: User Guide and System Configuration
Comprehensive manual for the eSSL AIFACE ARION biometric access control and attendance system. Covers installation, user management, communication settings, system configuration, and advanced features.

eSSL 4-inch Visible Light System Quick Start Guide
This guide provides essential information for installing, configuring, and operating the eSSL 4-inch Visible Light System, a biometric access control and time attendance device.

eSSL- eTime Track-Lite Web eSSL Time Attendance & Payroll Management Help Manual Version Version Date No of Pages About This Manual	[eSSL eTimeTrack-Lite Web: Comprehensive Help Manual for Time Attendance and Payroll Management](#) This manual details the features and operations of the eSSL eTimeTrack-Lite Web software, a robust solution for time attendance and payroll management. It covers setup, device integration, payroll processing, and detailed reporting for businesses.
eSSL Security at Fingertips Quick Start Guide SpeedFace series www.esslsecurity.com	[eSSL SpeedFace Series Quick Start Guide](#) Quick start guide for the eSSL SpeedFace series of biometric access control devices. Covers overview, device installation, standalone installation, lock relay, RS485/RS232, Wiegand, power, and Ethernet connections, user registration, and viewing records. Includes product appendix and contact information.
eSSL Security at Fingertips JS-36E User Manual Please read this manual carefully before use this card	[eSSL JS-36E Access Control System User Manual](#) Comprehensive user manual for the eSSL JS-36E access control system, detailing installation, features, system settings, and mobile app integration for secure access management.
eSSL Security at Fingertips USER MANUAL F22 WiFi Access Control Terminal www.esslsecurity.com	[eSSL F22 WiFi Access Control Terminal User Manual](#) User manual for the eSSL F22 WiFi Access Control Terminal, detailing setup, configuration, user management, access control settings, and troubleshooting for secure access management.