Fingkey Access
Fingkey Access RC/MC
User Guide

NITGEN & COMPANY

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Features

- Remote control and real-time access monitoring by means of server program (AccessManager Pro.)
- User's setup function reinforced
- Password / RF card or any combination of the means
- Touch Keypad with Backlight
- IP65 rated waterproof & dustproof
- CE, FCC certificated
- Auto-on function
- Shortcut ID matching opportunity provided
- Various authentication media supported
- LFD (Live Finger Detection)

} Disabled @ RC/MC

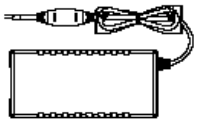
Product Component

- The FingkeyAccess includes the following components. For detailed information about installation, see the installation guide. If any of the following items is missing, contact the Customer Support Team

FingkeyAccess Standard

FingkeyAccess RC/MC

Power Cord



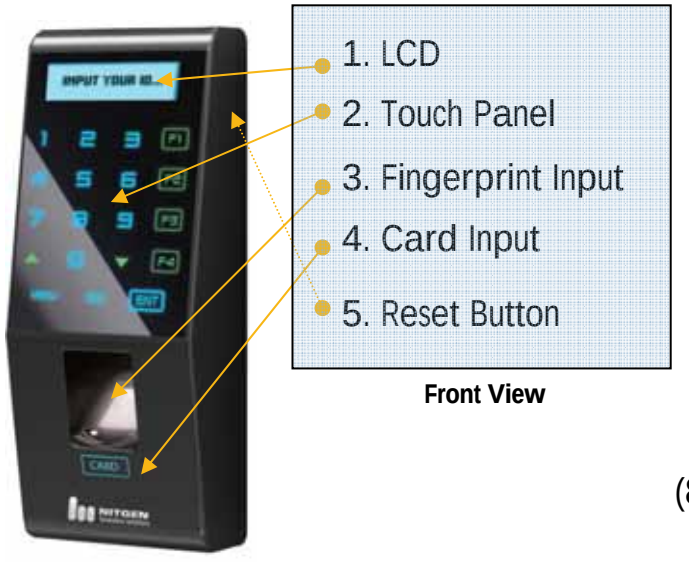
Adapter

Install Bracket

Bolts

S/W CD

Product Description



Front View

LCD & Touch Pad

Initial message

Network connection status

Function Keys

Cursor Key

ENTER Key

Escape

(8) Menu

No	Name	Description
1	LCD	The user can get information from it
2	Touch Panel	The user can handle all inputs by touching.
3	Finger Sensor	The user places his/her finger for authentication. (disabled @ RC/MC)
4	Card Input	The user places his/her card for authentication.
5	Reset Button	The user can make the system reset manually.

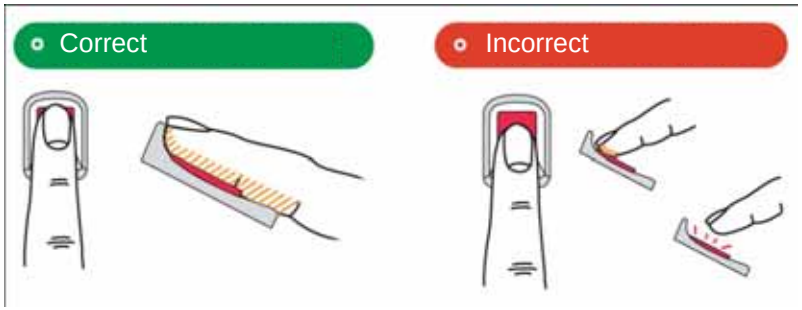
System Configuration

- Components Access Server/Remote Manager/Remote Monitor
- # of accessible terminals ACM Pro.Max. 2,000 terminals
- ACM v2.57x Max. 255 terminals(available soon)
- # of accessible remote client PCs 8 clients
- Supportable OS above Windows 2000
- # of users enrolled ACM Pro.100,000 users(SQL/SQL Express)
- ACM v2.57x 10,000 users(MDB/SQL) (available soon)

Authentication

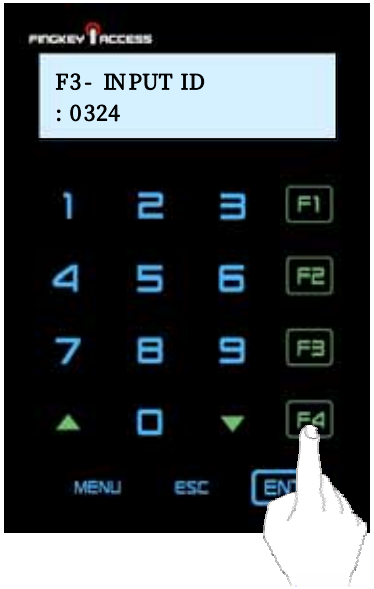
- **Standard Model : Fingerprint, RF Card, Password**

1. Maximize the finger area scanned and press evenly (70 ~ 80% of full pressure).
2. Place the “core” of the fingerprint at the center of the scanner. The core is usually opposite the whitish half-moon on the bottom of the fingernail. Therefore, place the half-moon part at the center of the scanner when scanning.



- **RC/MC Model : RF Card, Password**

Time&Attendance Mode



General/Simple Mode

In attendance mode, function keys are displayed on the lower-right of the initial screen.

In Simple or General Attendance mode, the user must press a function key and input his ID to be authenticated. Function keys are as follows:

F1: Coming to work
F2: Leaving work
F3: Going out
F4: Returning

After the user presses a function key, the key will be included in the server log data which will be used by the attendance management program.

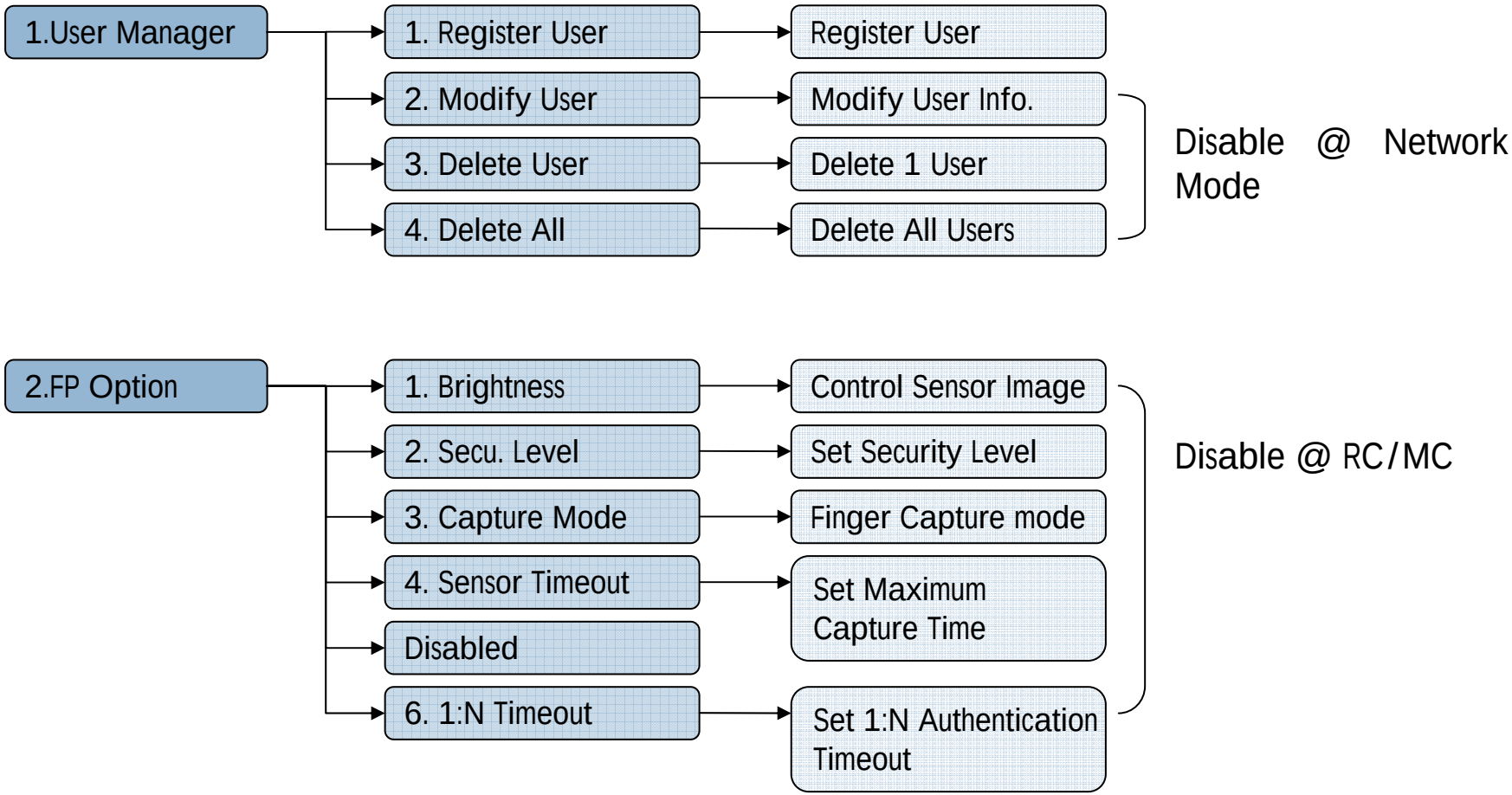
Auto/Extended Mode : Contact Sales Point.

Menu : Entering Administrator Menu

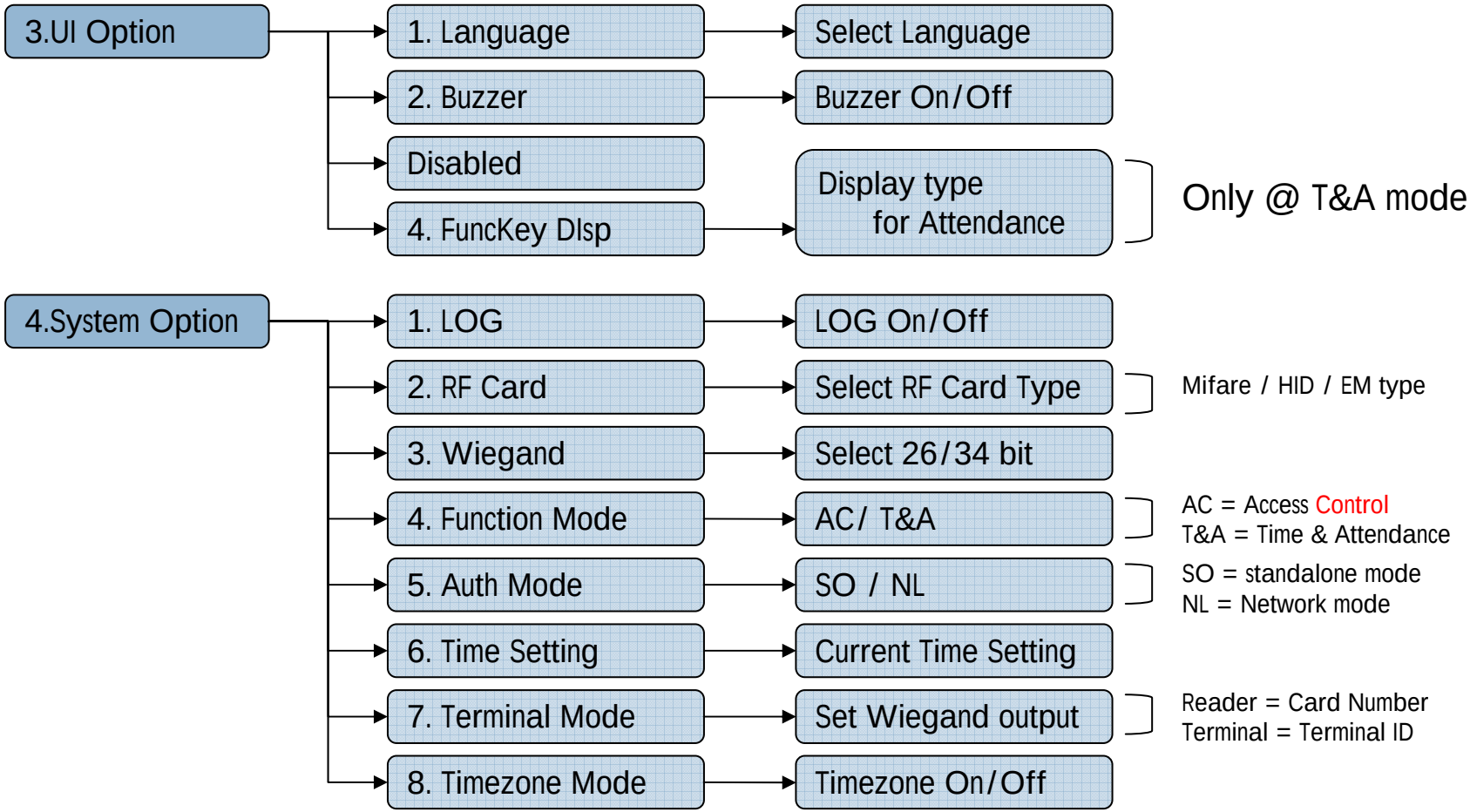
- To enter the Administrator menu, touch the “MENU” button at the lower of the touch pad.
- Input the administrator ID and follow the authentication process. The Administrator menu will be displayed. Because no users have yet been registered, any user can enter the Administrator menu. At least one administrator for should be registered for security purposes.

If no administrator was designated and only general users were registered in network mode, all users will be allowed to enter the Management menu.

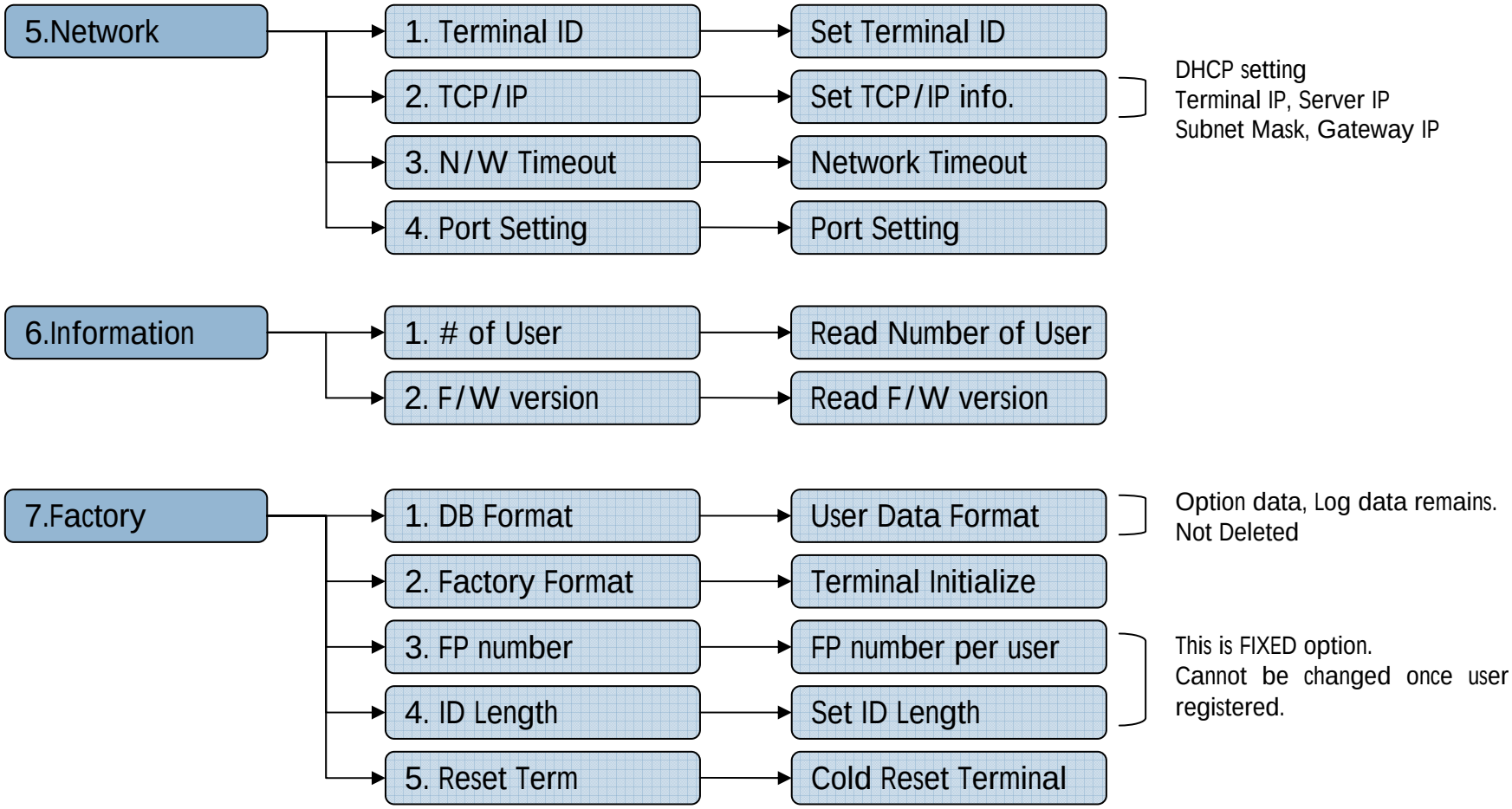
Menu : User Management, FP option



Menu : UI option, System Option



Menu : Network, Info., Factory



Specification

- CPU : 32bit / 200MHz
- Memory : 8MB Flash
- Display : 128x32 Graphic LCD (Black&White)
- Sensor : OPP06 Optical Sensor, 500DPI (auto-ON, LFD) (only for Standard)
- Authentication Mode : Password, RF Card(HID/Mifare/EM)
- Template capacity : 1Finger 1,000 users & 2Finger 500 users(for Standard), 5,000 users (for RC/MC)
- Log capacity : 20,000 logs
- Communication : TCP/IP, RS485, Wiegand(26/34 bits)
- Output Relay : Deadbolt, EM Lock, Door Strike, Automatic Door
- Operating Temperature : -20 ~ 60°C Operation
- Humidity : 10 ~ 90 %
- Certification : CE, FCC
- Size : 77(W) x 178(L) x 50(D) mm

Troubleshooting

<If RF card authentication fails>

Check your RF card type matches with the RF option of Terminal.

<If network connection cannot be established>

Check if the network setting is correct.
Check the TCP/IP setting.
① IP address of the server where AccessManager Professional is installed.
② The server and the terminal must use the same port.
④ Related settings if DHCP is not used.
Synchronize the terminal and the server settings.

Troubleshooting

<If fingerprint authentication takes too long>

If the terminal uses 1:N authentication in network mode, server overload may occur, resulting in slow authentication and recognition. In this case, a dedicated server should be used.

Check if the finger and the sensor are clean. Clean the finger and the sensor. If the user's finger is hurt, the user must register another fingerprint.

If the fingerprint is not clean, lower the security level of the user and use the 1:1 authentication method.

Input the user's ID in 1:1 mode and check if the user exists.

<If fingerprint is not registered>

If the finger is too dry or humid, fingerprint image quality may be poor and may not register. Dry or moisturize the finger before registering the fingerprint.

Troubleshooting

<If the door does not open after authentication>
Check the time period during which access is allowed.
Check JP1 jumper status is correct. (refer to install guide)

<If users cannot be registered>
In default configuration, this product operates in network mode which requires a proper network connection for user registration. Check the network connection, or disable network mode to not use the network.

<If the product is unstable or does not function>
In the terminal by selecting “Menu” → “Reset” menu.
Restart the server if the server management program is in use.
If the terminal buttons do not function, restart the terminal by pushing external reset button located right side of terminal.
If the problem remains after the above actions are taken, contact the Customer Support Team

Information to the user, 15.105(a)

For Class A digital device

INFORMATION TO THE USER

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING (Part 15.21)

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment