

*Total Biometric Solution
Provider*

eNBio Gate User's Manual

V1.0



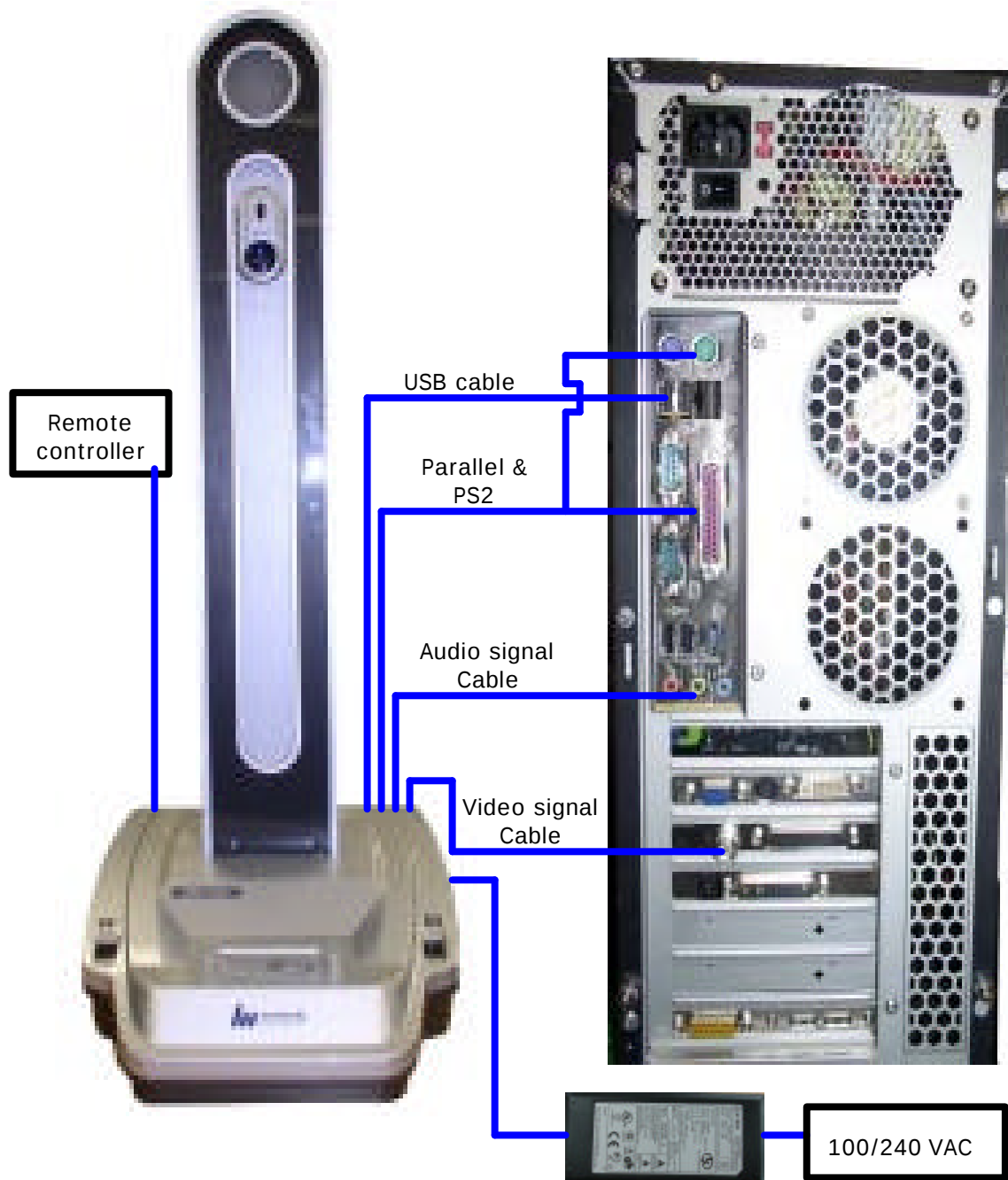
Chapter 1. Installation

1.1 Connection

1.2 Notices

1.1 Connection

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* Connect the connectors like the upper picture.

1.2 Notices

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1. Don't change the USB port after the first installation into the user PC.
2. You must connect cables while the power of PC is OFF and the eNBio Gate power is also OFF.
3. You have to install the eNBio Gate in the place without strong backlight. It can make the camera movement error.
4. Don't disassemble eNBio Gate without NITGEN's approval. If do, you cannot have the A/S from us.

Chapter 2. Usages

2.1 Enrollment

2.2 Verification

2.3 DB Seach

2.1 Language Setting

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Language Setting

Exit / Entry System

Passenger Data

Surname :

Given Name :

DateOfBirth :

DateOfExpiry :

MRZ1 :

Passport No. :

Issuing State :

Nationality :

Personal No. :

MRZ2 :

Issued Face

Live Image

Captured face

Capture Face

Delete Face

Write Face Template

Request PIN

Write

Voice

Korean

English

Japanese

Passport

Installation Site

Korean

English

Japanese

Camera position

Up

Down

Initialize

Close

Fingerprint

Left Fingerprint

Right Fingerprint

Issue Fingerprint

You can choose the user interface language with buttons in the red circle in the upper Exit/Entry System UI.

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Enter a user's data in the upper Exit/Entry System User Interface. If you adopt 'Passport reader', you can enter them automatically.

2.2 Enrollment

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Face Enrollment

The screenshot shows the 'Exit / Entry System' window with the following sections:

- Passenger Data:**
 - Surname: KIM
 - Given Name: HEE DAE
 - DateOfBirth: 741128
 - DateOfExpiry: 041213
 - MRZ1: PMKORKIM<<HEE<DAE<<<<<<
- Passport Info:**
 - Passport No.: GK0475635
 - Issuing State: KOR
 - Nationality: KOR
 - Personal No.: 1063518
 - MRZ2: GK04756352KOR7411283M041213
- Issued Face:** A small photo of the user.
- Voice:** Buttons for Korean, English, Japanese, and Passport.
- Installation Site:** Buttons for Korean, English, and Japanese.
- Camera position:** Buttons for Up and Down.
- Initialize:** Buttons for Initialize and Close.
- Fingerprint:** Sections for Left Fingerprint and Right Fingerprint, with an 'Issue fingerprint' button at the bottom.
- Captured face:** A larger photo of the user, with a red circle highlighting the 'Capture Face', 'Delete Face', and 'Write Face Template' buttons.
- Status Bar:** A blue bar at the bottom with the text '[S05] 얼굴 템플릿을 생성하였습니다.'

You can capture or delete a face image with the 'Capture Face' and 'Delete Face' buttons in the red circle of the 'Exit/Entry System' User Interface. And you can write the face template with the 'Capture Face' button.

You can adjust camera heights automatically by pressing the 'Auto' button on the remote controller and manually with the 'Up' and 'Down' buttons.

2.2 Enrollment

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Fingerprint Enrollment



Exit / Entry System

Passenger Data:

Surname :	KIM	Passport No. :	GK0475635
Given Name :	HEE DAE	Issuing State :	KOR
DateOfBirth :	741128	Nationality :	KOR
DateOfExpiry :	041213	Personal No. :	1063518
MRZ1 :	PMKORKIM<<HEE<DAE<<<<<<	MRZ2 :	GK04756352KOR7411283M041213

Issued Face

Captured face

Capture Face

Delete Face

Write Face Template

Voice

Korean

English

Japanese

Passport

Installation Site

Korean

English

Japanese

Camera position

Up

Down

Initialize

Close

Fingerprint

Issue fingerprint

[S05] 얼굴 템플릿을 생성하였습니다.

Enroll the fingerprint template by using the 'Issue fingerprint' circled by red line in the upper UI.

2.2 Enrollment

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Enrollment Verification

NITGEN biometric solutions

Exit / Entry System

Passenger Data

Surname :	KIM	Passport No. :	GK0475635
Given Name :	HEE DAE	Issuing State :	KOR
DateOfBirth :	741128	Nationality :	KOR
DateOfExpiry :	041213	Personal No. :	1063518
MRZ1 :	PMKORKIM<<HEE<DAE<<<<<<	MRZ2 :	GK04756352KOR7411283M041213

Issued Face



Captured face



Passport



Voice

Korean
English
Japanese
Passport

Installation Site

Korean
English
Japanese

Camera position

Up
Down

Initialize
Close

Request PKI
Write

Fingerprint



Issue fingerprint

[S07] 등록이 완료되었습니다.

The upper picture is the state of the end of enrollment.

2.3 Verification

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Face Verification

The screenshot displays the NITGEN Exit / Entry System interface. The window title is "NBioExitEntryVerify". The main title is "Exit / Entry System". The interface is divided into several sections:

- Passport Face:** A small portrait photo of a man.
- Passenger Data:** Fields for Surname (KIM), Given Name (HEE DAE), DateOfBirth (741128), DateOfExpiry (041213), MRZ1 (PMKORKIM<<HEE<DAE<<<), Passport No. (GK0475635), Issuing State (KOR), Nationality (KOR), Personal No. (1063518), and MRZ2 (GK04756352KOR7411283M04).
- Stored Face:** A larger portrait photo of the same man.
- Visual/IR/UV/S/T:** A large video feed showing the man's face.
- PKI/Check sum/Photo/Text:** Four buttons, all showing "TRUE".
- Voice/Site:** Buttons for Korean, English, and Japanese.
- Initialize/Close:** Two buttons.
- Progress bar:** A horizontal bar with a blue fill.
- Watch List:** A section with "Searching" and "Watchlist Enroll" buttons.
- Fingerprint:** Two empty boxes for fingerprint scanning.

A blue status bar at the bottom left displays the Korean text: "[N02] 승인되었습니다. 감사합니다".

If you enter User Data or scan passport in the reader in verification mode, face and fingerprint verification is executed automatically in the turn.

2.3 Verification

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Fingerprint Verification

The screenshot displays the NITGEN Exit / Entry System interface. At the top, the title bar reads "NBioExitEntryVerify". The main window has a header with the NITGEN logo and the text "Exit / Entry System". Below the header, the interface is divided into several sections:

- Passport Face:** A small portrait photo of a man.
- Passenger Data:** A form containing the following information:
 - Surname: KIM
 - Given Name: HEE DAE
 - DateOfBirth: 741128
 - DateOfExpiry: 041213
 - MRZ1: PMKORKIM<<HEE<DAE<<<
 - Passport No.: GK0475635
 - Issuing State: KOR
 - Nationality: KOR
 - Personal No.: 1063518
 - MRZ2: GK04756352KOR7411283M04
- Stored Face:** A larger portrait photo of the same man.
- Visual:** A large video feed showing the man's face.
- Passport:** A scanned image of the passport.
- Verification Results:** A section with four buttons: PKI, Check sum, Photo, and Text. All four buttons are labeled "TRUE".
- Voice:** A section with buttons for Korean, English, Japanese, and Passport.
- Site:** A section with buttons for Korean, English, and Japanese.
- Buttons:** "Initialize" and "Close" buttons.
- Progress bar:** A horizontal bar at the bottom of the main window.
- Watch List:** A section with "Searching" and "Watchlist Enroll" buttons.
- Fingerprint:** Two large images of fingerprints being scanned.

A blue status bar at the bottom of the main window displays the message: "[N02] 승인되었습니다. 감사합니다!"

If the message "Place your finger" is happen, place user fingers to the fingerprint sensors in the turn.

2.3 Verification

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Black List Search for Fail

The screenshot displays the NITGEN Exit / Entry System interface. At the top, the title bar reads 'NBioExitEntryVerify'. The main window has a header with the NITGEN logo and the title 'Exit / Entry System'. Below the header, the interface is divided into several sections:

- Passport Face:** A small portrait photo of a man.
- Passenger Data:** Fields for Surname (KIM), Given Name (HEE DAE), DateOfBirth (741128), DateOfExpiry (041213), and MRZ1 (PMKORKIM<CHEE<DAE<<<).
- Passport No.:** GK0475635.
- Issuing State:** KOR.
- Nationality:** KOR.
- Personal No.:** 1063518.
- MRZ2:** GK04756352KOR7411283M04.
- Stored Face:** A small portrait photo of the same man.

Below these fields, there are three main image areas:

- A large live video feed of the man.
- A scanned passport image.
- A biometric sensor area with buttons for Visual, IR, UV, S, and T. Below these are buttons for PKI, Check sum, Photo, and Text, all showing 'TRUE'.

A red banner across the middle of the interface displays the message: [E37] 승인되지 않았습니다 (Approval not granted).

At the bottom, there is a 'Progress bar' and a 'Watch List' section. The 'Watch List' section includes a 'Searching' button (circled in red) and a 'Watchlist Enroll' button. To the right of these buttons are several small portrait photos of different individuals.

If the Verification result is fail, the message 'The verification is fail' is displayed. You can search the candidates by using searching Button in the upper UI.

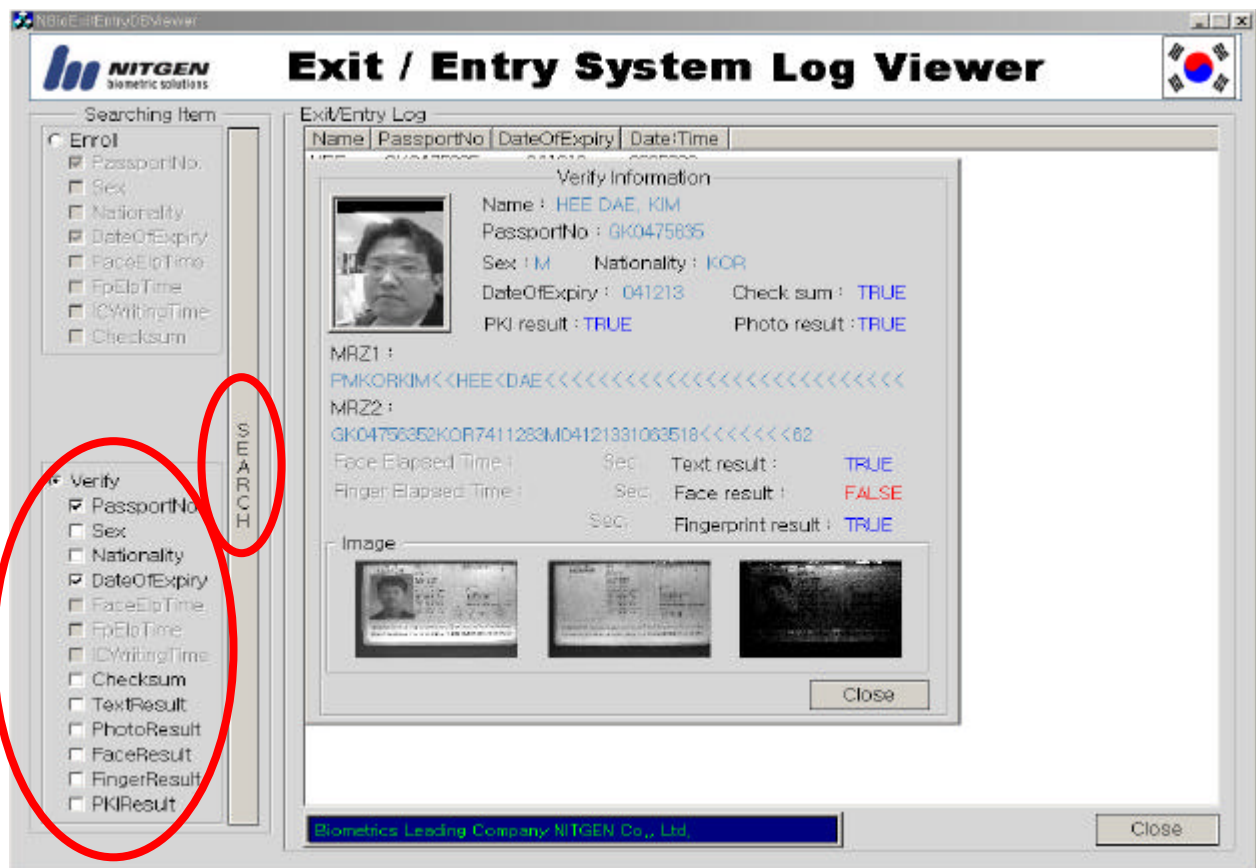
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You can search Enrollment Log data for the various cases with the option check boxes in the upper picture.

2.4 Log DB

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Verification Log Search



You can search Verification Log data for the various cases with the option check boxes in the upper picture.

FCC NOTICE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITION:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED
OPERATION.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer of an experienced radio/TV technician for help.

NOTE : The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.