

*Total Biometric Solution
Provider*

eNBio Gate User's Manual

V1.0



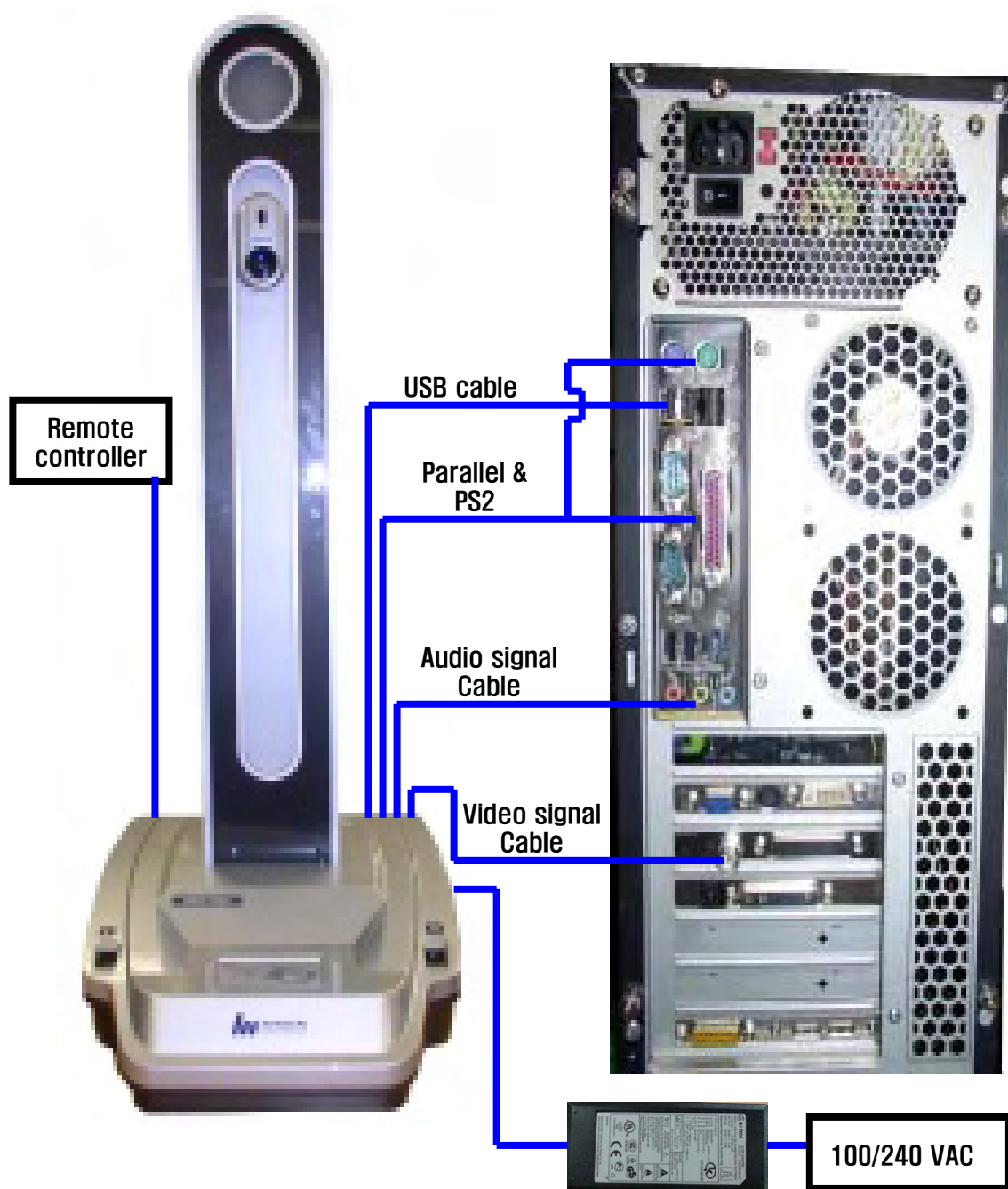
Chapter 1. Installation

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.
5. CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Chapter 2. Usages

2.1 Enrollment

2.2 Verification

2.3 DB Seach

2.1 Language Setting

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Language Setting

The screenshot displays the NITGEN Exit / Entry System interface. The title bar reads 'NBioExitEntryIssue'. The main title is 'Exit / Entry System' with the NITGEN logo and a South Korean flag. The interface is divided into several sections: 'Passenger Data' with fields for Surname, Given Name, DateOfBirth, DateOfExpiry, MRZ1, Passport No., Issuing State, Nationality, Personal No., and MRZ2; 'Issued Face' with a placeholder image; 'Voice' and 'Installation Site' sections, both containing buttons for Korean, English, Japanese, and Passport; 'Camera position' with Up and Down buttons; 'Fingerprint' with Left and Right Fingerprint placeholders and an Issue fingerprint button; and a 'Captured face' section with Capture Face, Delete Face, Write Face Template, Request FHD, and Wipe buttons. A red circle highlights the 'Voice' and 'Installation Site' sections.

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

2.2 Enrollment

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User data enrollment

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Exit / Entry System

Passenger Data

Surname :	KIM	Passport No. :	GK0475635
Given Name :	HEE DAE	Issuing State :	KOR
Date Of Birth :	741128	Nationality :	KOR
Date Of Expiry :	041213	Personal No. :	1063518
MRZ1 :	PKOR756352KOR7411283M041213		
MRZ2 :	GK04756352KOR7411283M041213		

Issued Face

Voice

Installation Site

Camera position

Fingerprint

Captured face

Issue fingerprint

Please, enroll face image

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 displays the NITGEN Exit / Entry System interface. The title bar reads 'NBioExitEntryIssue'. The main window has a title 'Exit / Entry System' and a Korean flag icon. The interface is divided into several sections:

- 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 (GK04756352KOR7411283M041213).
- Issued Face:** A small photo of the passenger.
- Language Selection:** Buttons for Voice (Korean, English, Japanese, Passport) and Installation Site (Korean, English, Japanese).
- Camera position:** Buttons for Up and Down.
- Buttons:** Initialize and Close.
- Face Capture Section:** A large video window showing the passenger's face. Below it, a 'Captured face' section contains a small photo and three buttons: 'Capture Face', 'Delete Face', and 'Write Face Template'. These three buttons are circled in red.
- Fingerprint Section:** Two large boxes for 'Left Fingerprint' and 'Right Fingerprint', and an 'Issue fingerprint' button at the bottom.
- 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.

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[illegible]

➔ www.nitgen.com

2.2 Enrollment

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Enrollment Verification

NBioExitEntryIssue

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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

Request PKI
Write

Voice

Korean
English
Japaness
Passport

Installation Site

Korean
English
Japaness

Camera position

Up
Down

Initialize
Close

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

NBioExitEntryVerify

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Exit / Entry System

Passport Face: 

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 :	GK04756352KOR7411283M04

Stored Face: 





Visual IR UV S T

PKI Check sum Photo Text

TRUE TRUE TRUE TRUE

Voice Site

Korean Korean Initialize

English English

Japaness Japaness

Passport

Close

[N02] 승인되었습니다. 감사합니다!

Progress bar

Watch List

Searching

Watchlist Enroll

Fingerprint Fingerprint

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

NBioExitEntryVerify

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Exit / Entry System

Passport Face: 

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 :	GK04756352KOR7411283M04

Stored Face: 





Visual IR UV S T

PKI Check sum Photo Text

TRUE TRUE TRUE TRUE

Voice Site

Korean Korean Initialize

English English

Japaness Japaness

Passport

Close

[N02] 승인되었습니다. 감사합니다

Progress bar

Watch List

Searching

Watchlist Enroll





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

NBioExitEntryVerify

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Exit / Entry System

Passport Face: 

Passenger Data:

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: 





Visual IR UV S T

PKI Check sum Photo Text

TRUE TRUE TRUE TRUE

Voice Site

Korean Korean Initialize

English English

Japaness Japaness

Passport

Close

[E37] 승인되지 않았습니다

Progress bar

Watch List

Searching

Watchlist Enroll

















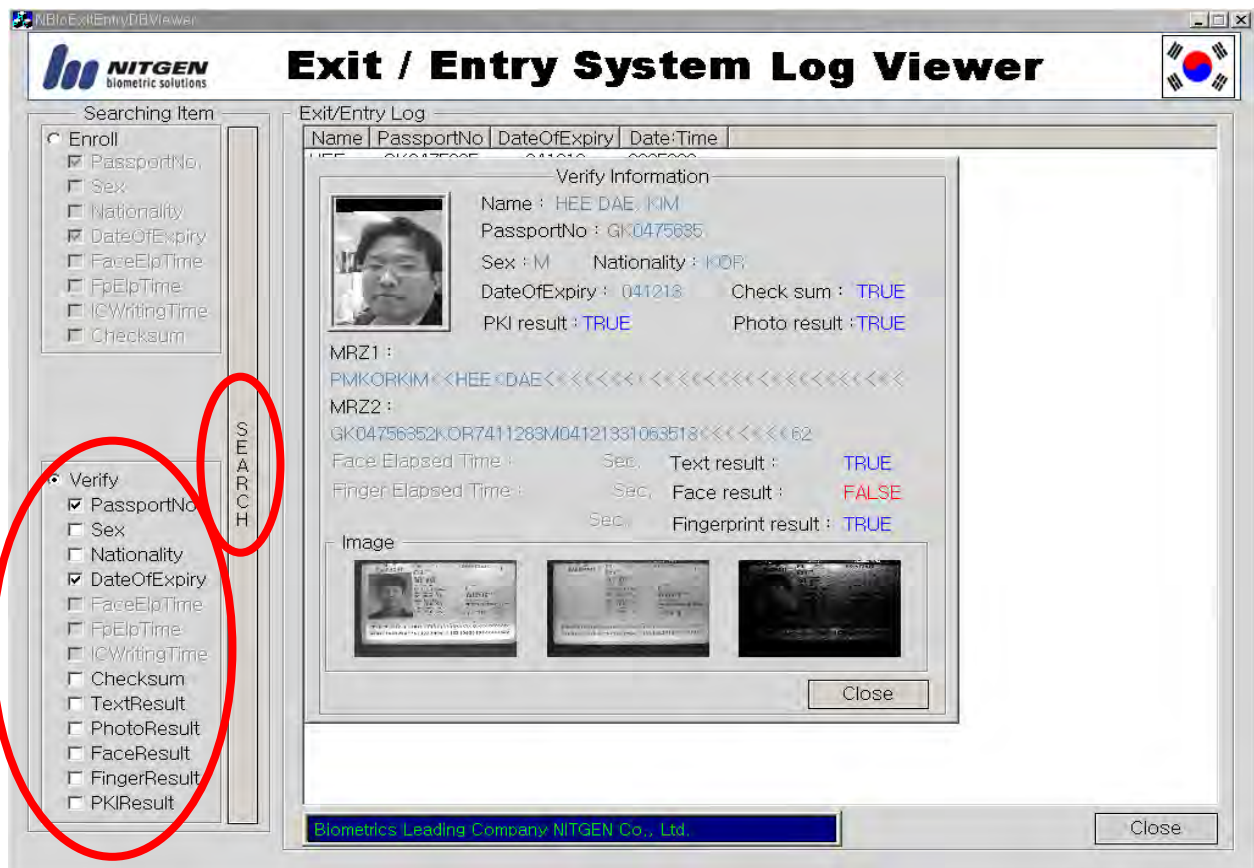
If the Verification result is fail, the message 'The verification is fail' is displayed. You can search the candidates by using searching Button in the upper UI.

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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.

Class B digital device or peripheral

- ❑ NOTE: 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 communications. 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 or an experienced radio/TV technician for help.