

Total Biometric Solution
Provider

eNBio Gate User's Manual

V1.0



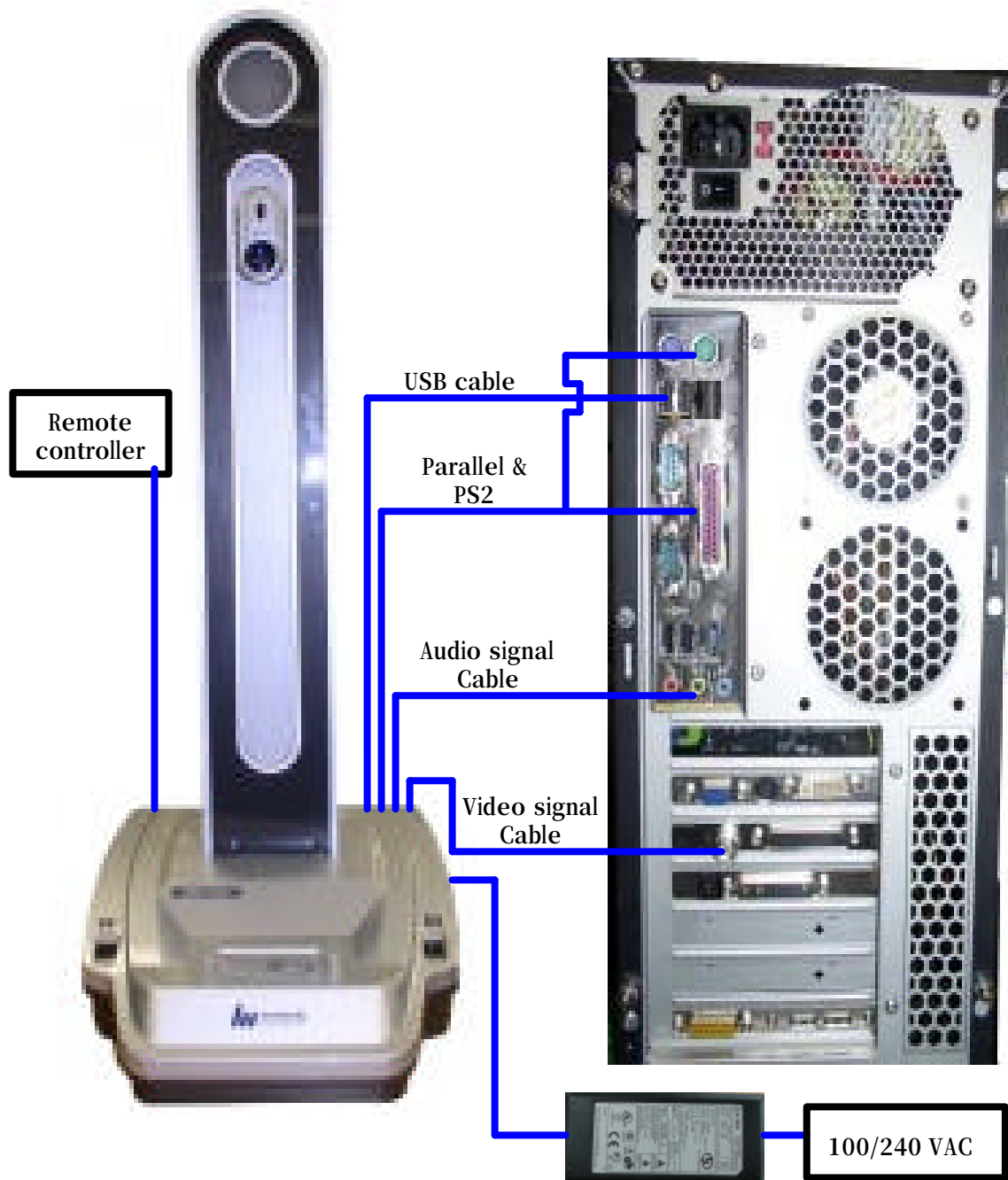
Chapter 1. Installation

1.1 Connection

1.2 Notices

1.1 Connection

Total Biometric Solution Provider



* Connect the connectors like the upper picture.

1.2 Notices

Total Biometric Solution Provider

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

Total Biometric Solution Provider

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

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.

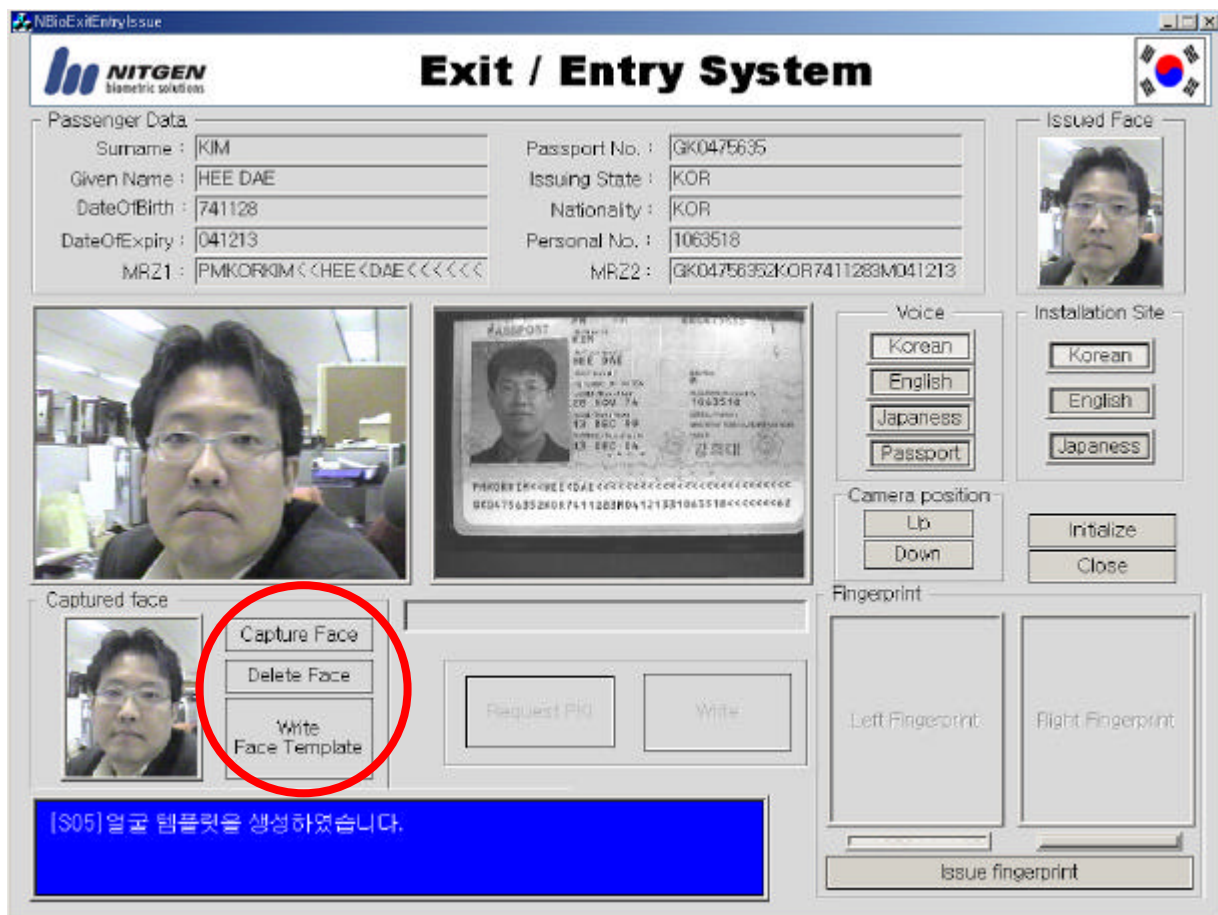
Total Biometric Solution Provider

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

Total Biometric Solution Provider

Face Enrollment



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

Total Biometric Solution Provider

Fingerprint Enrollment

The screenshot displays the NITGEN biometric solutions 'Exit / Entry System' interface. The window title is 'NBioExitEntryIssue'. The interface is divided into several sections:

- Passenger Data:** Includes 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 portrait photo of the passenger.
- Captured face:** A larger portrait photo of the passenger, with buttons for 'Capture Face', 'Delete Face', and 'Write Face Template'.
- Passport:** A scanned image of the passport.
- Voice:** Buttons for 'Korean', 'English', 'Japanese', and 'Passport'.
- Installation Site:** Buttons for 'Korean', 'English', and 'Japanese'.
- Camera position:** Buttons for 'Up' and 'Down'.
- Fingerprint:** Two fingerprint images, with a red circle highlighting the 'Issue fingerprint' button below them.
- Status Bar:** A blue bar at the bottom left displays the message '[S05] 얼굴 템플릿을 생성하였습니다.'

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

2.2 Enrollment

Total Biometric Solution Provider

Enrollment Verification

The screenshot displays the NITGEN Exit / Entry System interface. At the top, the title bar reads "NITGEN Exit / Entry System". The main window is divided into several sections:

- Passenger Data:** Surname: KIM, Given Name: HEE DAE, DateOfBirth: 741128, DateOfExpiry: 041213, MRZ1: PMKORKIM<<HEE<DAE<<<<<<<<, MRZ2: GK04756352KOR7411283M041213.
- Issued Face:** A small photo of the passenger.
- Installation Site:** Buttons for Korean, English, and Japanese.
- Voice:** Buttons for Korean, English, Japanese, and Passport.
- Camera position:** Buttons for Up and Down.
- Initialize:** A button to initialize the system.
- Close:** A button to close the system.
- Issue fingerprint:** A button to issue the fingerprint.
- Request PKI:** A button to request a PKI certificate.
- Write:** A button to write the template.
- Write Face Template:** A button to write the face template.
- Deleted Face:** A button to delete the face template.
- Capture Face:** A button to capture the face template.

A blue status bar at the bottom displays the message: [S07] 등록이 완료되었습니다.

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

2.3 Verification

Total Biometric Solution Provider

Face Verification

The screenshot displays the NITGEN Exit / Entry System interface. The window title is "NBioExitEntryVerify". The main title is "Exit / Entry System" with a South Korean flag icon. 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 photo of the man's face, likely from a camera.
- PKI/Check sum/Photo/Text:** Four buttons, all showing "TRUE".
- Voice/Site:** Buttons for Korean, English, and Japanese for both Voice and Site.
- 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 labeled "Fingerprint".

A blue status bar at the bottom left displays the message: "[N02] 승인되었습니다. 감사합니다" (Approval confirmed. Thank you).

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

Total Biometric Solution Provider

Fingerprint Verification

The screenshot displays the NITGEN Exit / Entry System interface. At the top, the title bar reads "NBioExitEntryVerify" and the window 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:** A large video feed showing the man's face.
- Passport:** A scanned image of the passport.
- Verification Results:** A blue banner at the bottom left displays the message "[N02] 승인되었습니다. 감사합니다!" (Approval successful. Thank you!).
- Buttons:** A grid of buttons for "Visual", "R", "LIV", "S", "T", "PKI", "Check sum", "Photo", "Text", "Voice", "Site", "Initialize", and "Close". The "PKI", "Check sum", "Photo", and "Text" buttons are highlighted with a blue "TRUE" status.
- Progress bar:** A horizontal bar at the bottom right.
- Watch List:** A section with "Searching" and "Watchlist Enroll" buttons.

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

2.3 Verification

Total Biometric Solution Provider

Black List Search for Fail

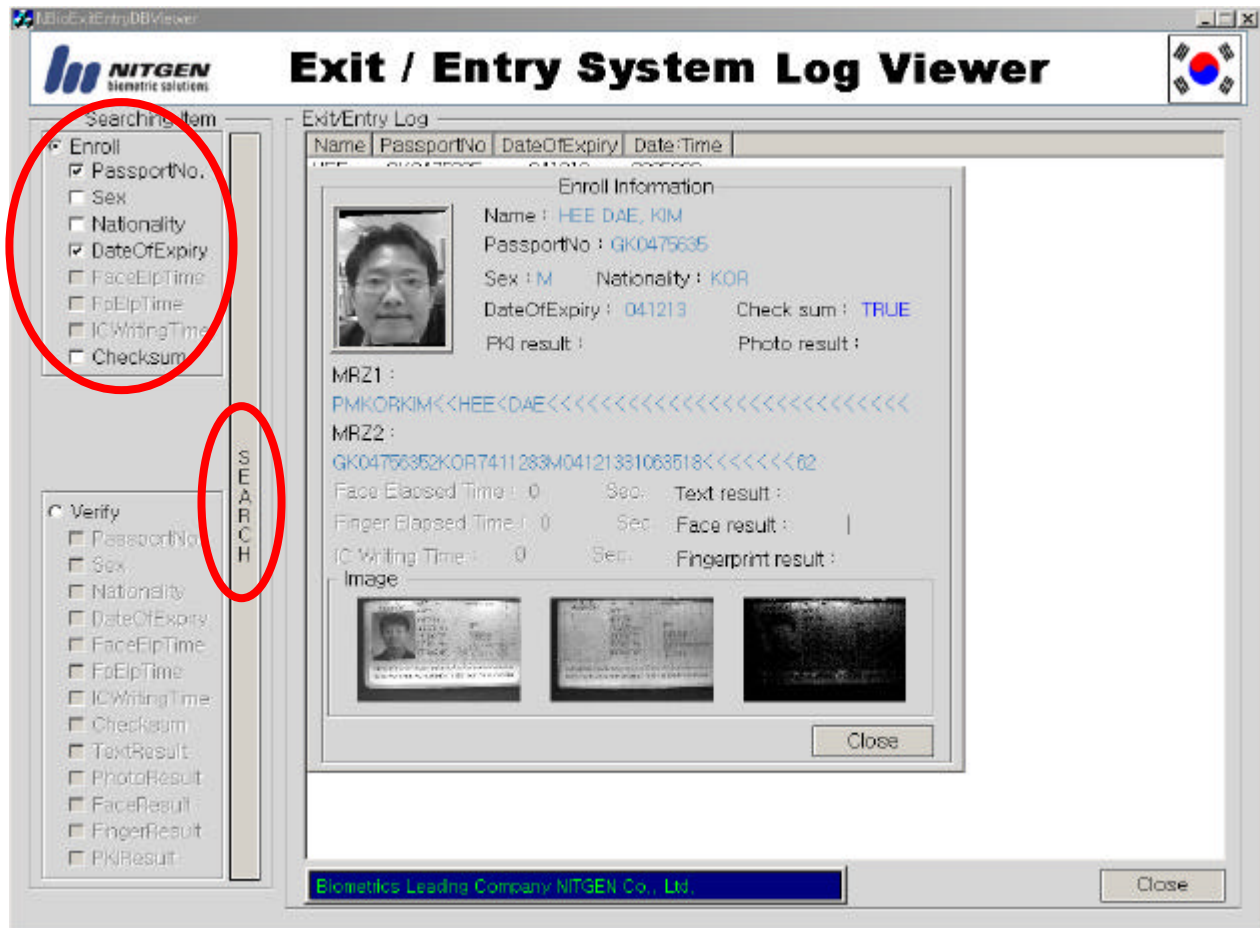
The screenshot displays the NITGEN Exit / Entry System interface. At the top, the title bar reads 'NITGEN Exit / Entry System'. Below the title bar, the interface is divided into several sections. On the left, there is a 'Passport Face' section with a small portrait of a man. Next to it is the 'Passenger Data' section, which contains fields for Surname (KIM), Given Name (HEE DAE), DateOfBirth (741128), DateOfExpiry (041213), and MR21 (PMKORKIM<HEE<DAE<<<). To the right of these fields are fields for Passport No. (GK0475635), Issuing State (KOR), Nationality (KOR), Personal No. (1063518), and MR22 (GK04756352KOR7411283M04). Further right is a 'Stored Face' section with a larger portrait of the same man. Below the 'Passport Face' and 'Stored Face' sections are two larger images: a live camera feed of the man and a scanned passport. To the right of these images are buttons for 'Visual', 'IR', 'UV', 'S', and 'T'. Below these buttons are four buttons labeled 'PKI', 'Check sum', 'Photo', and 'Text', each with a 'TRUE' status. Further down are buttons for 'Voice' (Korean, English, Japanese, Passport) and 'Site' (Korean, English, Japanese). At the bottom right are 'Initialize' and 'Close' buttons. 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 has a 'Searching' button circled in red and a 'Watchlist Enroll' button. To the right of the 'Watch List' section is a row of five small portraits of different people.

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.

2.4 Log DB

Total Biometric Solution Provider

Enrollment Log Search

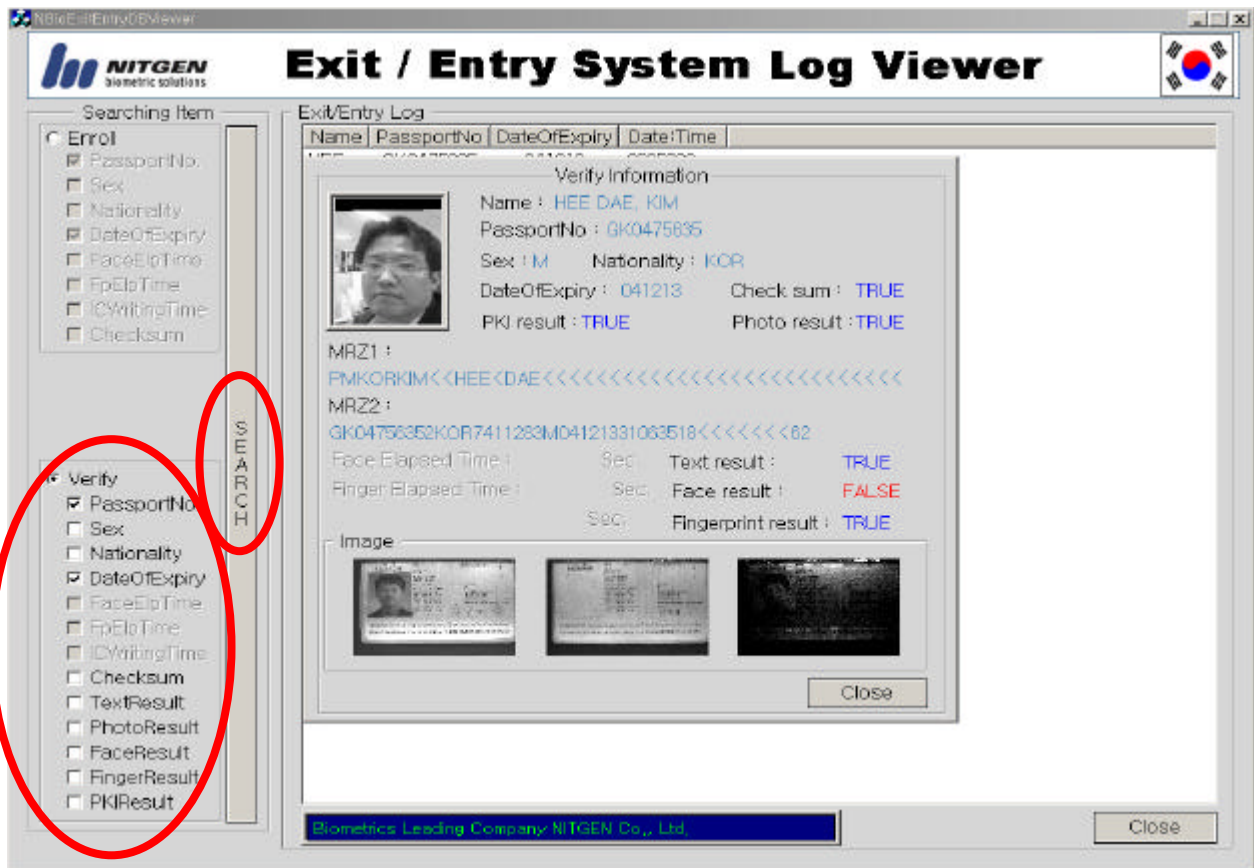


You can search Enrollment Log data for the various cases with the option check boxes in the upper picture.

2.4 Log DB

Total Biometric Solution Provider

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.