FS-II- 5M-2.4-TVout

User Manual

Version 1.05
April 2011

Index

I. Unpack FilmScan35-II

FS-II-V2-5M-2.4

Negative/Slide Film Holder

User Manual

USB power core

USB/Video cable

Roll Film Holder

Clean brush

Note

- ✧ We strongly suggest using a clean, dry, non-alcohol cotton swab to clean the glass surface periodically to produce a clear image during operation.
- ✧ Clean dust from FilmScanner back light, to use the clean brush to wipe the dust.
- ✧ Dust or dirt from the negative, slide films and cover trays may affect the scanned image quality, please make sure the materials are cleaned before inserting into the scanner.

- ✧ Please find recommend, processional purger from photo store to clean the dust on films if any to avoid damaging the only one copy of old films
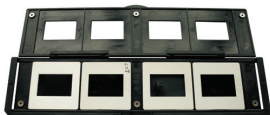
II. Install film into the film holder

● Install the Slide into holder

1. Open the slide holder as illustrated

2. Put slide into positive slide slot

3. Close the film holder

● Install the Negative Film into holder

1. Open the film holder as illustrated

2. Install film into negative film slot

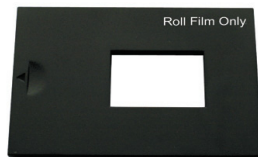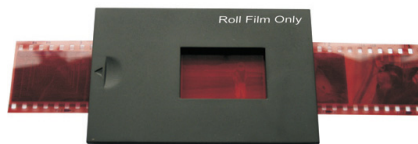3. Close the film holder

● *Install the Roll Film into holder:*

1. Take out the roll film holder from package

2. Insert roll film into film slot

3. Pull out the roll film in another side

Note

♦ To avoid mirror image, follow the serial numbers (from left to right) on top of film when install negative film into holder
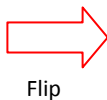

Figure 1

♦ If the image is upside down [see fig.2], the image can be corrected by Flip function in hard key of device before capture, or enter playback edit menu after capture [see fig.3.4].

Figure 2

Down/Flip button
(Flip hard key)

Flip

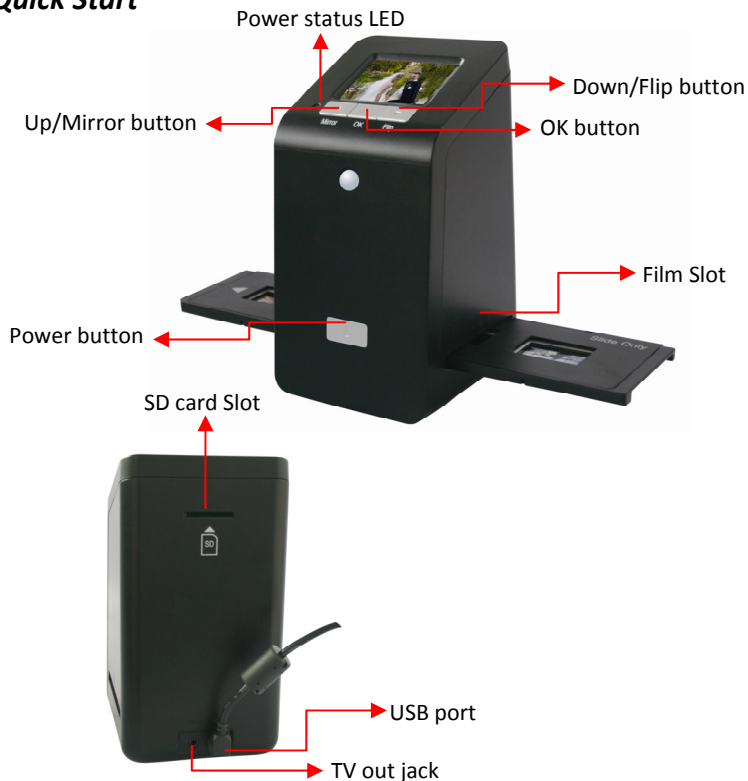- *Press hard key on top of device in live view*
  Figure 3

- *Playback mode menu*
  Figure

III.   *Quick Start*

Power status LED

Up/Mirror button

Down/Flip button

OK button

Film Slot

Power button

SD card Slot

USB port

TV out jack

1. Put Film onto the film cartridge

2. Insert the film cartridge into FilmScan35-II

3. Connect USB cable to FilmScan35-II

4. Turn on Device by power button
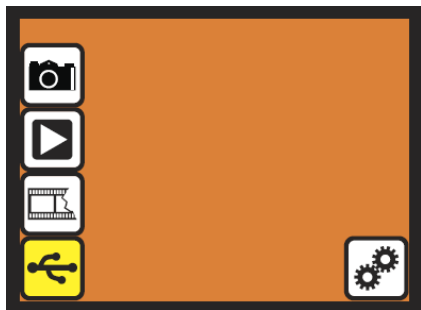
5. Press OK button to capture the image

6. Follow the menu on display for scanning

7. After finished the capture, take out the SD card which stored capture images

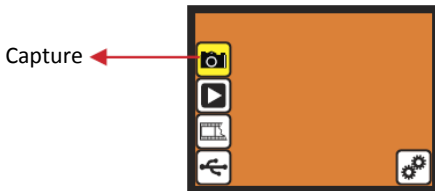8. Or read picture from PC by MSDC mode

IV. Operation Guide

Home: Main menu

- Capture
- Playback
- Film Type
- USB mode
- Setting

- Capture: capture mode (default)
- Playback: playback mode
- Film Type: define the film type which loaded in cartridge
- USB mode: MSDC (Mass Storage Device Class) mode
- Setting: TV out and format option

1. Capture

Capture

After welcome page, above menu will remains for 5 sec. User can press up/down button for desired menu. Or system will auto enter Capture mode if there is no action during this 5 second period.
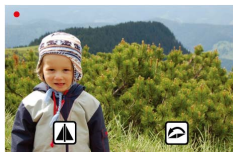
1.1 Capture: Mirror/Flip (Hard Key)

Up/Mirror button

Down/Flip button

<Mirro>

● Press Up/Mirror button to change image left to right

<Flip>

● Press Down/Flip button to upside down image
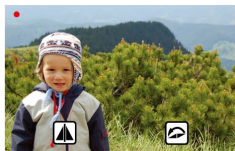
1.2 Capture: <Up>/<Mirror> - Flip / Mirror (Hard Key)

Up/ Mirror button

<OK> Go Back to 1.1Capture button

Up/Mirror button
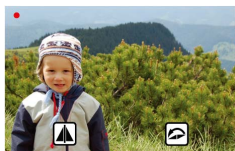
Down/Flip button

<Mirro>

● *Press < Up > button to change image left to right*

<Flip>

● *Press < Down > button to upside down image*

1.3 Capture: <Up>/<Mirror> - Brightness/Color (Hard Key)

Up/Mirror button

Down/Flip button

<Mirro>

- *Press < Up > button to enter Brightness adjustment (See Chapter 1.4)*

<Flip>

- *Press < Down > button to enter Color adjustment (See Chapter 1.5)*

1.4 Capture: <Up>/<Mirror> - Brightness (Hard Key)

Up/Mirror button

Down/Flip button

<Mirro>

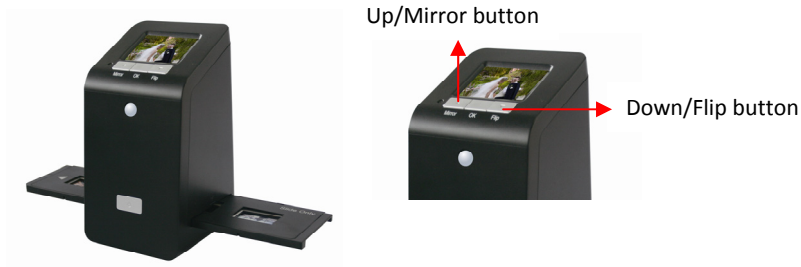- *Press <Up> button to increase Brightness with ranges of -3 to 3*

<Flip>

- *Press <Down> button to decrease Brightness with ranges of -3 to 3*

1.5 Capture: <Up>/<Mirror> - Color Red (Hard Key)

Up/Mirror button

Down/Flip button

<Mirro>

● *Press <Up> button to increase red color with ranges of -3 to 3*

<Flip>

● *Press <Down> button to decrease red color with ranges of -3 to 3*

1.6 Capture: <Up>/<Mirror> - Color Green (Hard Key)

Up/Mirror button

Down/Flip button

<Mirro>

● *Press <Up> button to increase green color with ranges of -3 to 3*

<Flip>

● *Press <Down> button to decrease green color with ranges of -3 to 3*

1.7 Capture: <Up>/<Mirror> - Color Blue (Hard Key)

Up/Mirror button

Down/Flip button

<Mirro>

● *Press <Up> button to increase blue color with ranges of -3 to 3*

<Flip>

● *Press <Down> button to decrease blue color with ranges of -3 to 3*

1.8 Capture mode


Live view indicator
(flashing at 0.5sec rate)

Once enter capture mode, there will be a red indicator on left top corner to indicate it is in live view mode. When the film cartridge is inserted into the scanner slot, the image always shows the positive image according to previous defined Film Type (after power on. the Film Type is default to negative film). Reconfirm the film position through the display before press OK button.

1.9 Capture: Edit Menu

Save

Rotate +90

Rotate -90

Cancel

Selected image

Home

- Save: save captured image
- Rotate +90: continue rotate +90 degrees
- Rotate -90: continue rotate -90 degrees
(this is for adjusting the user who took the portrait picture)
- Cancel: cancel any editing with this image
- Home: Back to main menu

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1.10 Live View -> Capture/Edit Menu

Live View   Capture/Edit Menu

OK

OK
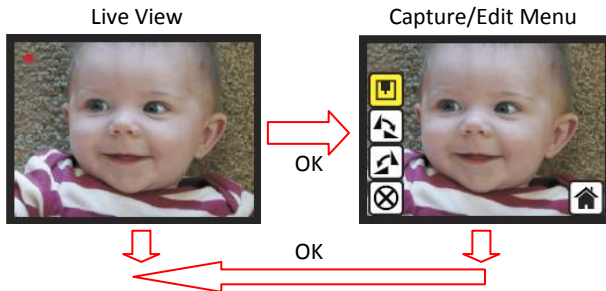
Once press OK button in live view, the edit menu will be appeared. When user press OK button again, the current image will be saved into SD card. The display will return to live view again.

## 1.11 Capture: Save

Save ◄

Once user press OK button on top of FilmScan35-II, preview (live view) image will be selected and shown on the TFT which will take between 3-4 second with 4 icons shown on the left side of the screen. Save icon will be highlighted for user to confirm the saving by OK button. After the above step, display goes back to live view mode (preview)

1.12 Capture: Rotate +/-90 degree

User can apply the up/down button for further editing (rotate +90/-90). Once user confirm rotate +90 degrees, they can press the OK button, the image will be rotate +90 degrees and cursor will remain at Save. Press OK button again will save the rotated image to SD card and screen will return to live view. For continuously rotate +90 degrees, move cursor to rotate again and press OK.

1.13 Capture: Cancel
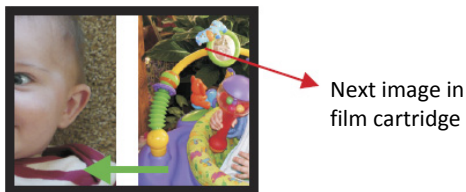

Playback /captured image
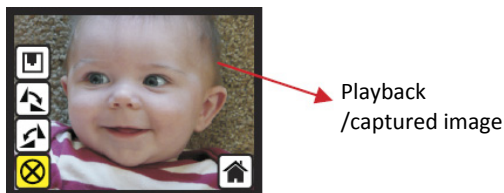
Or select Cancel and press OK button to cancel any of the editing step with present selected image and FilmScan35-II goes to live view mode (nothing will be saved onto the SD card).

1.14 Capture: Home
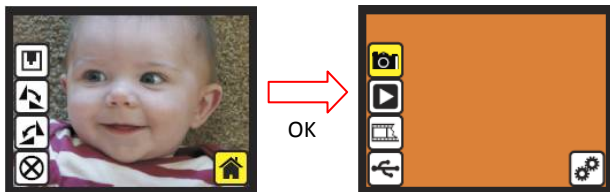
Go back to main menu, press OK button when select Home icon.

1.15 Exit from Edit mode back to Capture mode (Live View)


Next image in film cartridge

Once User presses OK button for save or cancel option, display will return to capture mode/live view. Then, user can move the film cartridge to next target film to capture.

1.16 Memory full

Once the internal memory or SD card is full, user can see a SD card full once press OK button. User has to down load the images to PC or replace another SD card for continue capture.

1.17 SD card locked

SD card locked indicator
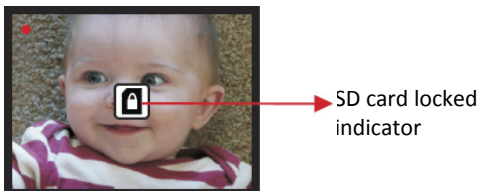
If the SD was locked, once press the OK button, a SD Card locked icon displays on screen. Please do slide the switch of SD card to unlock before insert into device.
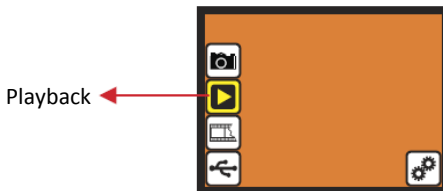
1.18 SD card error
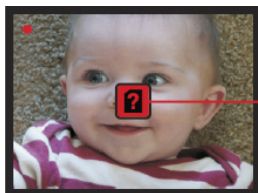
SD card error indicator

If scanner cannot detect SD card in good condition, a warning icon with question mark will be shown on display. Please try to format the SD card or replace another proper SD card for continue further operation. (Refer to Setting section on page 31.)

2. Playback

Playback

Press Down button to Playback mode when power on FilmScan35-II or access the main menu by Home icon if during operation. Press OK button to confirm the selection.

2.1 Playback: Auto Slide Show

Slide show mode

Once user enter playback mode (default to slide show), 2.4 TFT will auto display all images stored in SD card with 2 seconds interval from previous captured image. User can also stop the slide show mode by press OK button.

2.2 Playback: Edit Menu

Rotate +90 ←   → Exit

Rotate -90 ←   → Delete

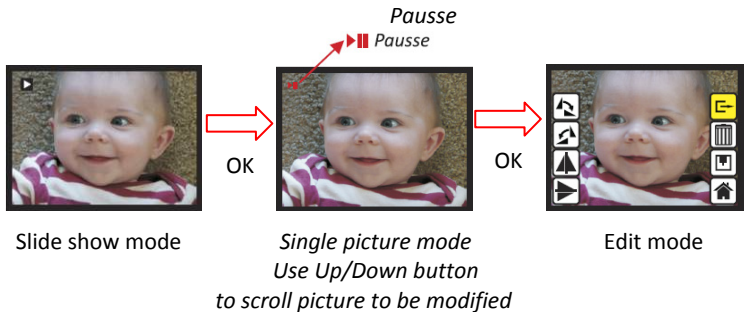Mirror ←   → Save

Flip ←   → Hom

- Rotate +90: captured image rotate +90 degrees
- Rotate -90: captured image rotate -90 degrees
- Mirror: change image left to right
- Flip: upside down image
- Exit: returns to Slide show
- Delete: delete this picture stored in SD card
- Save: save the modified image onto SD card
- Home: returns to main menu

2.3 Playback: Slide mode -> Edit mode

User can interrupt (stop) the slide show mode to stand alone playback mode (single picture playback) by press OK button. (Pause slide show) Then user is able to scroll each picture by up/down button. Once user select the picture stored in SD card which intended to be modified, then use OK button again to bring out the edit mode for modification

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2.4 Slide Show -> Single picture -> Edit mode

Pausse
Pausse

OK

OK

Slide show mode

Single picture mode
Use Up/Down button
*to scroll picture to be modified*

Edit mode

## 2.5 Playback: Rotate/Mirror/Flip/Save

OK

If user wants to Rotate +90 degrees by OK button, the image will be rotate +90 degrees and cursor will remains at Save. Press OK button again to save modified result and next picture will be shown (N+1). For continuously Rotate +90 degrees, move cursor to Rotate again and press OK. (Same for Rotate -90, Mirror, and Flip function

2.6 Playback: Exit

OK
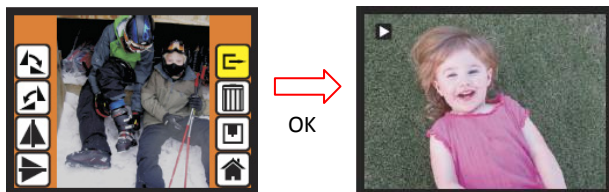
Once user select the EXIT function in edit menu, the display will go back to slide show starting with the current picture in internal memory or SD card without saving any change of present picture
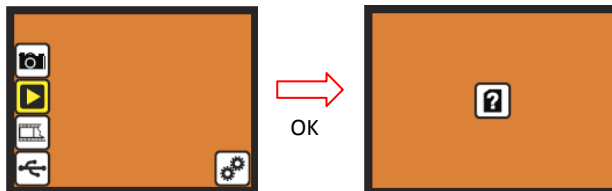
2.7 Playback: Delete

OK
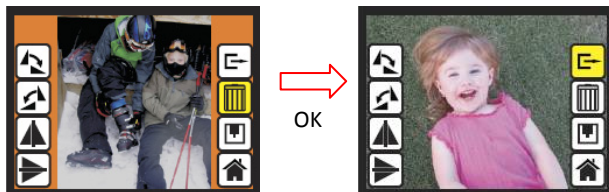
Delete will delete the present selected picture and next picture will be shown (N+1). Cursor goes to Exit icon. If user intend to process continuously delete, just move to delete icon again and press OK to confirm.
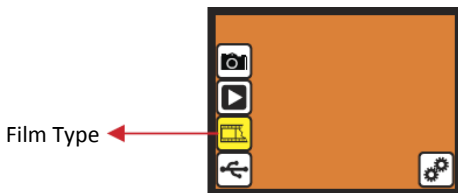
2.8 Playback: Home
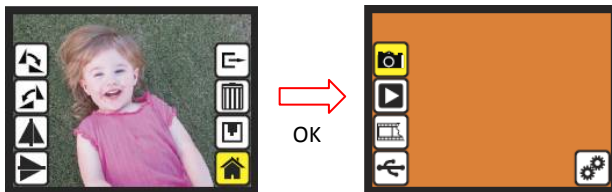
Go back to main menu, press OK button when select Home icon

2.9 Playback: No Picture

If there's no picture inside internal memory or SD card when enter playback mode, a No picture symbol will show on display.

3. Film Type

Film Type

Change film type definition by enter Film Type menu when power on FilmScan35-II or access the main menu by Home icon if during operation. Press down button for Film Type and press OK to confirm.
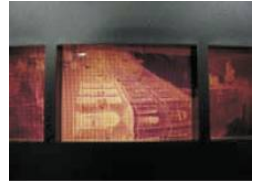
3.1 Film Type: Select Film Type
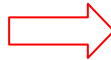

Color Negative film

Slide film
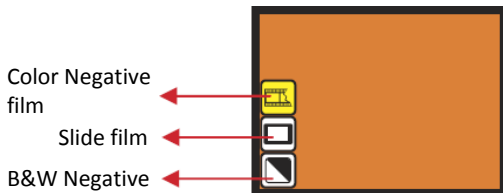
B&W Negative

- Negative film: select Negative film when cartridge loaded with negative film
- Slide: select Slide type when load slide in holder
- B&W film: select B&W when cartridge loaded with Black&White negative film

3.2 Film Type: Example

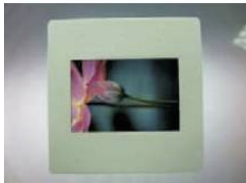|		
Color Negative film		
B&W Negative film		Loaded Into Cartridge
Slide		

4. USB Mode
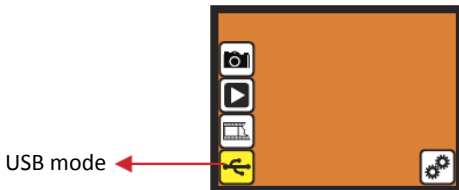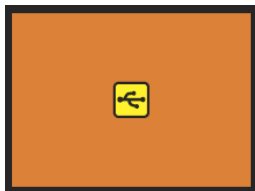

USB mode

After finished capture, user can download the stored images from internal memory or SD card to PC by selecting USB mode.   Press OK button when connect USB cable to PC, FilmScan35-II becomes a mass storage device. User can review or edit images once PC detected the external storage device. Or just take out the SD card from device into PC to read the images directly.

4.1 USB Mode: Status

Once user select USB mode, FilmScan35-II becomes a mass storage device and then a status icon shows on display, then user can find an external USB disk device from my computer and review the images in internal memory or SD card with PC.

5. Setting Mode.
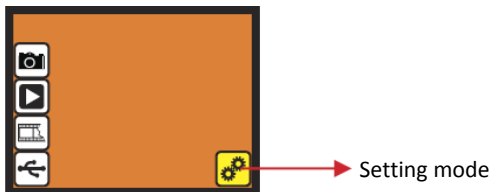
Setting mode

The setting mode covers TV out and format option.   User can connect the device to TV and finish the operation with TV display. Moreover, the scanned images can be playback on TV display to share with family.
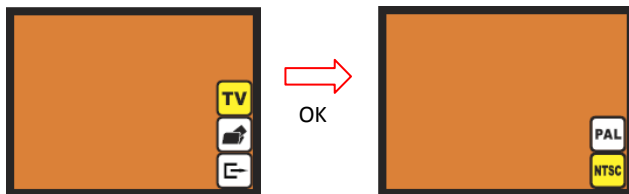
If the SD card was formatted by the other devices and not readable by scanner, user can apply the format function in scanner to correct required format.

5.1 Setting Mode
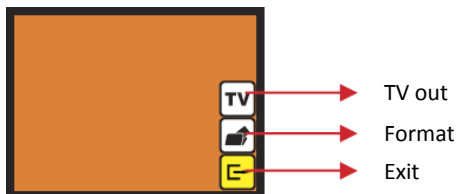
TV out

Format

Exit

- ● TV out: select NTSC or PAL according to required interface
- ● Format: format internal memory or SD card
- ● Exit: returns to main menu

5.2 Setting: TV out

When user want to switch the display from on device LCD to TV display, user can connect device to TV and select PAL or NTSC as required in TV out menu by OK button.   Then, the TV display will show the same option for scanning operation. Or directly enter playback mode to slide show captured images on TV.

5.3 Setting: Format
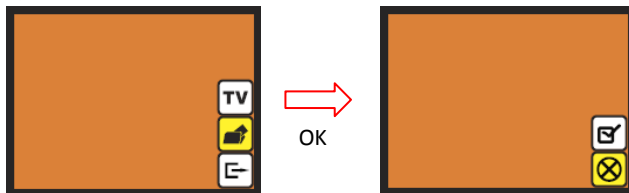
If the internal memory or SD card requires format by scanner, user can enter format mode by press OK button.   The default setting will be cancel format.   User can press OK button again to cancel the format or select confirm icon to confirm format the memory.

If there's no SD card inside device, the internal memory will be formatted once process Format.   Instead, if SD card is inserted in device, SD card will be formatted.

Good bye page
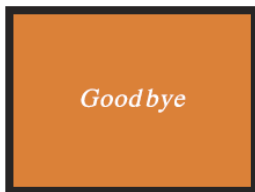
V. Specification

Image Sensor:	5 mega CMOS sensor
Lens:	F no.=2.0, 4 Glass elements,
LCD:	2.4'' Color TFT LCD
Internal memory:	24MB NAND Flash (for saving images)
Focus Range:	Fixed focus
Exposure Control:	Automatic
Color Balance:	Automatic
Scan Quality:	1,800 dpi
Data Conversion:	10 bits per color channel
Scan Method:	Single pass
Light Source:	Back light (3 white LEDs)
Interface:	USB 2.0, TV-out (video 3.5mm jack)
USB Configuration:	Mass Storage Device Class/MSDC
Power:	5V adapter, or USB power
Dimensions:	90x100.2x167.53mm
Weight:	0.445kg
External memory:	SD/MMC compatible

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER AUTHORITY TO OPERATE THE EQUIPMENT.

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.

- Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.