

SF16-FMR

Connecting To External Devices

When connecting the SF16-FMR to external devices, please refer to the following connections:

- ANTENNA: Connect to the ANTENNA terminals.
- LINE IN: Connect to the LINE IN terminal.
- LINE OUT: Connect to the LINE OUT terminal.
- SPK OUT: Connect to the SPK OUT terminal.

Introduction

The SF16-FMR brings FM radio entertainment into your PC. The board comes with a built-in 4Watt amplifier. This enables you to connect the output directly to a pair of passive speakers.

When the SF16-FMR is used in conjunction with a sound board, it brings FM radio into the world of multimedia; allowing you to record, mix and playback FM radio just like any other audio source.

This board is bundled with a user-friendly FM radio tuner software, RadioAKTIV.

Minimum System Requirements

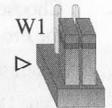
The minimum hardware requirement is:

- | | |
|---|--|
| <input type="checkbox"/> IBM 486 or 100% compatible | <input type="checkbox"/> VGA monitor |
| <input type="checkbox"/> Windows 3.1 | <input type="checkbox"/> Dipole antenna (provided with SF16-FMR) |
| <input type="checkbox"/> 4MB RAM | <input type="checkbox"/> Stereo speakers |
| <input type="checkbox"/> Mouse | |

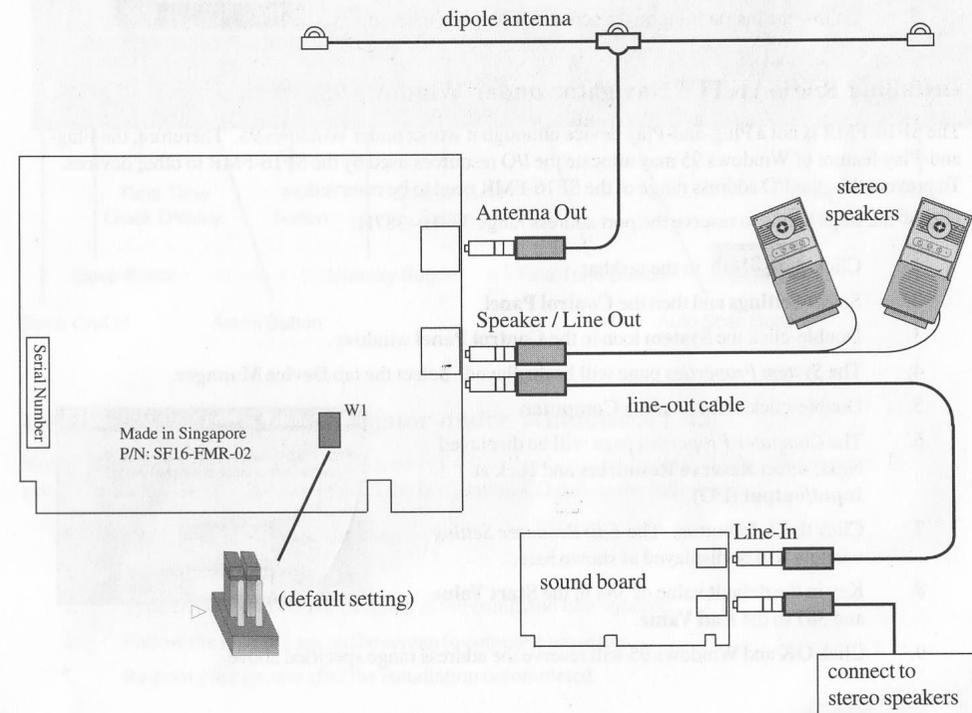
This board uses I/O port address range **384H** to **387H**.

Connecting To External Devices

If you are connecting the SF16-FMR to a pair of active speakers or to the Line-In input of your sound board, jumpers W1 must be changed to by-pass the built-in amplifier as shown here.



The following diagram shows the location of the jumper W1 and the connection to external devices:



If you have a sound board installed in your system, use the *Line-Out Cable* provided to link the SF16-FMR with the Line-In jack of your sound board as shown in the diagram.

Remember to change the settings for jumper W1! Under these circumstances, the volume of the radio output is affected by the Line-In level setting in the sound board mixer.

Radio Reception

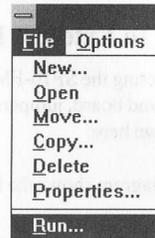
As with any FM receiver found in commercial radio sets, the reception depends on location and interference from nearby equipment as well as the amount of enclosure. However, the SF16-FMR is designed to tolerate PC noise unlike commercial radio sets.

The reception quality depends on the dipole antenna. The antenna poles should be extended as shown in the first page. If necessary, adjust the location or orientation of the antenna to achieve optimum reception.

Installing RadioAKTIV Navigator under Windows 3.1x

To install the RadioAKTIV Navigator under Windows 3.1x, follow these steps:

1. Start Windows if it is not already running.
2. Choose the **Run...** command from the **File** menu in the Program Manager.
3. Insert the Installation CD into the CD-ROM drive.
4. Type **D:\WIN31\SETUP.EXE** (where D: is the CD-ROM drive letter) in the Command Line text box and press the **Enter** key.
5. Follow the instructions on the screen to complete the setup.

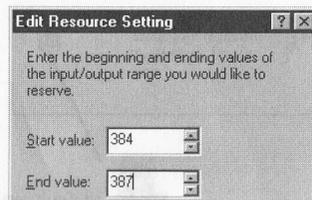


Installing RadioAKTIV Navigator under Windows 95

The SF16-FMR is not a Plug-and-Play device although it works under Windows 95. Therefore, the Plug-and-Play feature of Windows 95 may allocate the I/O resources used by the SF16-FMR to other devices. To prevent this, the I/O address range of the SF16-FMR need to be reserved.

Follow the steps below to reserve the port address range 384H - 387H:

1. Click in the taskbar.
2. Select **Settings** and then the **Control Panel**.
3. Double-click the **System** icon in the **Control Panel** window.
4. The *System Properties* page will be displayed. Select the tab **Device Manager**.
5. Double-click at the heading **Computer**.
6. The *Computer Properties* page will be displayed. Next, select **Resource** and click at **Input/output (I/O)**.
7. Click the **Add** button. The *Edit Resource Setting* window will be displayed as shown here.
8. Key in the default value of 384 in the **Start Value**, and 387 in the **End Value**.
9. Click **OK** and Windows 95 will reserve the address range specified above.

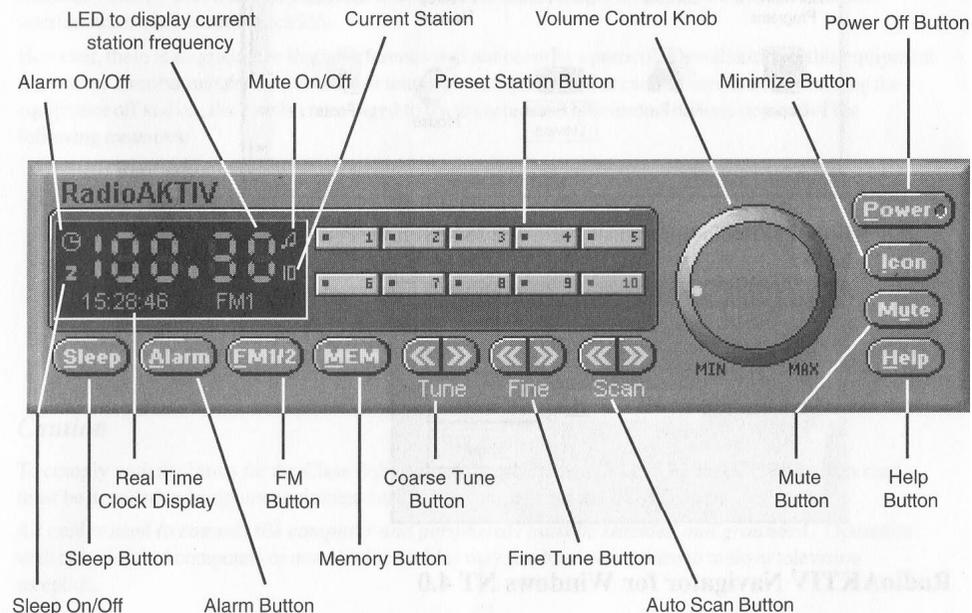


After you have reserved the system resources for the SF16-FMR, you may now install the RadioAKTIV Navigator for Windows 95. Insert the Installation CD and do the following:

1. Click in the taskbar.
2. Select **Settings** and then the **Control Panel**.
3. Double-click the **Add/Remove Program** icon.
4. Choose **Install**.
5. Type **D:\WIN95\SETUP** in the command line window.
6. Choose **Finish** and follow the instructions on the screen to complete the installation.

RadioAKTIV Navigator for Windows 3.1x and Windows 95

The diagram below describes the functions on the RadioAKTIV Navigator:



Installing RadioAKTIV Navigator under Windows NT 4.0

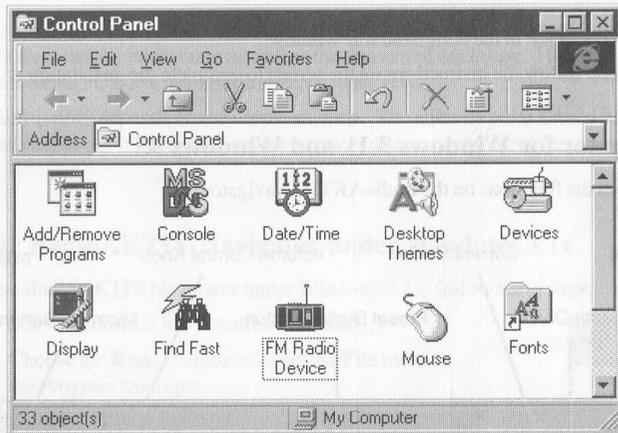
Note that the SF16-FMR driver for Windows NT 4.0 will only run on Intel 80x86-based computer. To install the RadioAKTIV Navigator, insert the Installation CD and do the followings:

1. Click in the taskbar.
2. Select the **RUN** command.
3. Type **D:\WINNT4\SETUP.EXE** in the command line window.
4. Follow the instructions on the screen to complete the setup.
5. Re-boot your system after the installation is completed.

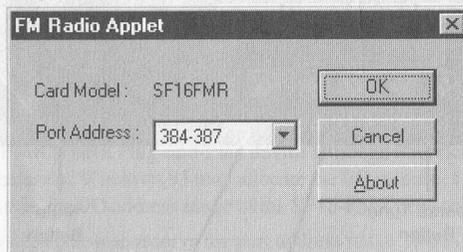
Configuring SF16-FMR under Windows NT 4.0

To configure the SF16-FMR under Windows NT 4.0, do the followings:

1. Click **Start** in the taskbar.
2. Select **Settings** and then the **Control Panel**.
3. Double-click on the **FM Radio Device** icon as shown below:



4. In the **FM Radio Applet** dialog box, type **384-387** in the Port Address section as shown below:



RadioAKTIV Navigator for Windows NT 4.0

The following diagram illustrates the control panel of the RadioAKTIV Navigator:



The functions of the RadioAKTIV Navigator under Windows NT 4.0 are similar to that use for Windows 3.1x and Windows 95. Only the layout has been changed.

Trademarks & Copyrights

All rights reserved. No part of this publication may be produced, transmitted, transcribed, stored in any retrieval system, or translated into any language in any form by any means without written permission.

Microsoft Windows, Windows 3.1x, Windows 95 and Windows NT are trademarks of Microsoft Corporation. RadioLink and RadioAKTIV are trademarks of Mediaforte Products Pte Ltd. All other products are trademarks or registered trademarks of their respective owners.

FCC Notice

This product 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 instruction, 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 in a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC ID : LOY-SF16FMR



Caution

To comply with the limits for the Class B digital device, pursuant to Part 15 of the FCC Rules, this card must be installed in computer equipment certified to comply with the Class B limits.

All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception.