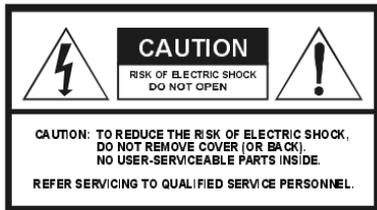


CFT2200

User Guide



 **General Instrument®**



Graphical symbols and supplemental warning marking locations on bottom of terminal.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

TO PREVENT ELECTRICAL SHOCK, DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This installation should be made by a qualified service person and should conform to all local codes.

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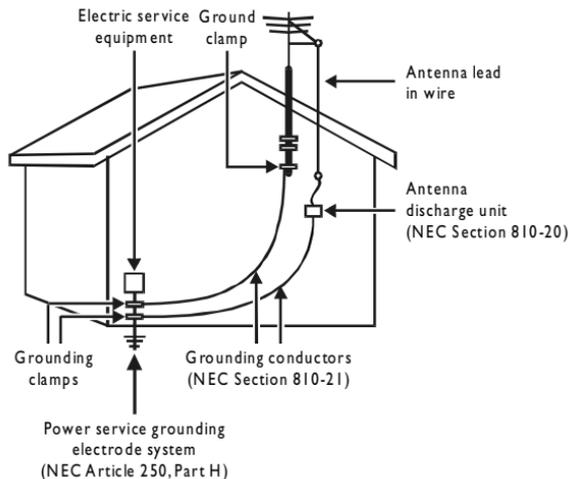
REPAIRS

If you find the unit in need of repair, contact your cable system operator for repair or replacement.

NOTE TO CATV SYSTEM INSTALLER

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close as possible to the point of cable entry as practical.

EXAMPLE OF ANTENNA GROUNDING



NEC=NATIONAL ELECTRICAL CODE

IMPORTANT SAFEGUARDS

1 Read instructions

All the safety and operating instructions should be read before the appliance is operated.

2 Retain instructions

The safety and operating instructions should be retained for future reference.

3 Heed warnings

All warnings on the appliance and in the operating instructions should be adhered to.

4 Follow instructions

All operating and use instructions should be followed.

5 Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6 Attachments

Do not use attachments not recommended as they may cause hazard.

7 Water and moisture

Do not use this equipment near water; for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

8 Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall causing serious injury and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the equipment. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9 Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the equipment and to protect it from overheating. The openings should never be blocked by placing the product on a bed, sofa, rug, or similar surface. Equipment should never be placed near or over a radiator or heat register, or in a built-in installation such as a bookcase or rack unless proper ventilation is provided.

10 Power sources

This product should be operated only from the type of power sources indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company. For equipment intended to operate from battery power, or other sources, refer to the operating instructions.

11 Ground or polarization

This equipment may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

12 Alternate warnings

This equipment may be equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This pin will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

13 Power cord protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

14 Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the equipment, be sure the antenna or cable system is grounded as to provide some protection against voltage surges and built-up static charges.

15 Lightning

For added protection for this equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power line surges.

16 Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them may be fatal.

17 Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electrical shock.

18 Object and liquid entry

Never push objects of any kind into this equipment through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electrical shock. Never spill liquid of any kind on the product.

19 Servicing

Do not attempt to service this equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards, refer all servicing to qualified service personnel.

20 Damage requiring service

Unplug this equipment from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a When the power supply cord or plug is damaged.
- b If the equipment has been exposed to rain or water.
- c If liquid has been spilled, or objects have fallen into the equipment.
- d If the equipment does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the equipment to its normal operation.
- e If the equipment has been dropped or cabinet has been damaged.
- f When the equipment exhibits a distinct change in performance, indicating a need for service.

21 Replacement parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22 Safety check

Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the product is in proper operational condition.

23 Telephone equipment

Observe the following precautions when installing telephone modem equipment:

- a Never install telephone wiring during a lightning storm.
- b Never install telephone jacks in a wet location unless the jack is specifically designed for wet locations.
- c Never touch uninsulated telephone wires or terminals unless the telephone lines have been disconnected at the network interface.
- d Use caution when installing or modifying telephone lines.

24 Battery usage

Notwithstanding any information provided by GI in this manual regarding the use of batteries, the end user assumes all responsibility and liability to use and dispose of batteries in accordance with all applicable laws, rules and regulations. GI will not be liable to anyone for the end user's failure to use and/or dispose of batteries in the proper manner and in accordance with such laws, rules and regulations, or for any defect contained in batteries which may cause injury damage to persons or property.

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INTRODUCTION

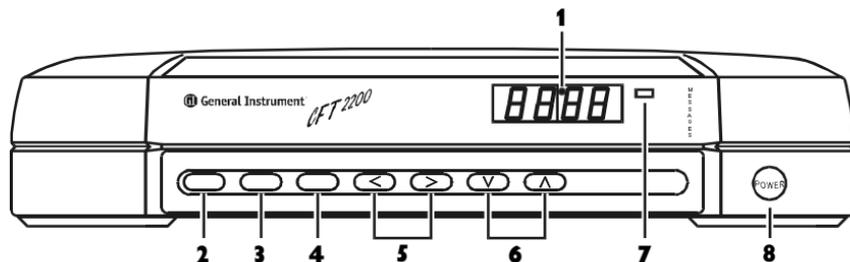
Welcome to General Instrument's CFT2200 set-top terminal, your introduction to unsurpassed audio and video, cable entertainment.

The CFT2200 provides an on-screen display to view, control, and edit program and special features.

To understand your CFT2200, take the time to read this guide and your remote control instructions.

Front Panel

You can turn on the CFT2200, change channels, control volume, and access on-screen menus, using the front-panel buttons or the remote control.



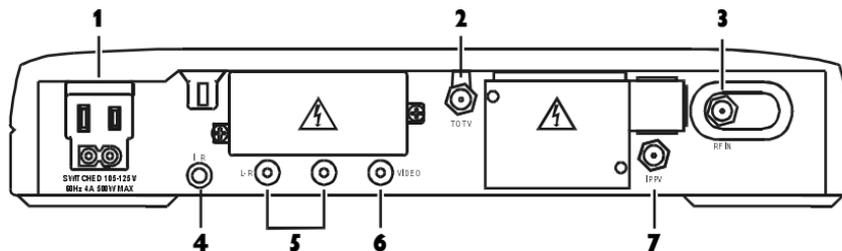
Front Panel

The front panel control keys can be used to operate the CFT2200.

1	DISPLAY	Displays channel or time.
2	MENU	Displays the MAIN MENU on-screen.
3	SELECT	Highlights menu options.
4	ENTER	Accepts choices entered on the menus.
5	VOLUME	Increases or decreases the volume.
6	CHANNEL	Sequentially steps through the channels.
7	INDICATOR	Lights if a message is present.
8	POWER	Turns the CFT2200 on or off.

Rear Panel

The rear panel contains connectors, an ac outlet, and removable panels for installing optional modules with special features.



Rear Panel

The rear panel contains the following connectors and optional features:

1	AC OUTLET	This connector provides an ac outlet to connect the TV.
2	TO TV	This is the basic connection from the CFT-2200 to the TV or the VCR.
3	RF IN	This is the connection for cable input from the cable wall outlet.
4	IR	This is the connection for the IR Blaster adapter.
5	L-R	These are the left and right audio connections.
6	VIDEO	This is the connection for video to your TV or VCR.
7	IPPV	This connection is the optional impulse Pay-Per-View feature.

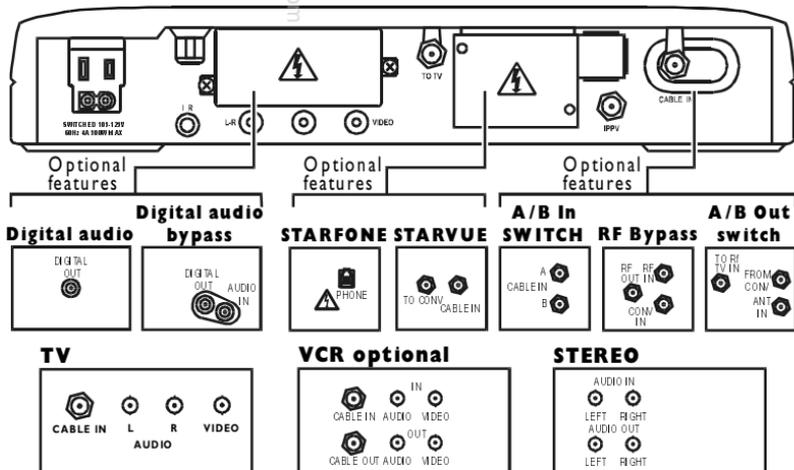
RECORDING YOUR CONNECTIONS



NOTE

Always disconnect the power from the CFT-2200 before moving it or changing the cable connections.

Use this diagram to draw your cable connections. This diagram will help you reconnect your system if you move or add new equipment.



Turning Power On and Off

Press POWER on the front panel or the remote control to turn the CFT2200 on and off. If you are using a universal remote control, be sure it is set to control the CFT2200.

Changing Channels

Press CHANNEL on the front panel or CHAN on the remote control to change channels.

Adjusting the Volume

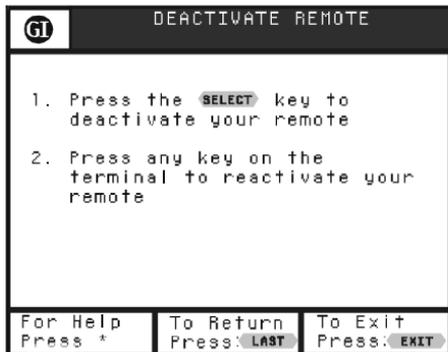
Press VOLUME on the front panel or VOL on the remote control to adjust the volume. When you adjust the volume, the volume scale is displayed on the screen. To turn the sound off and on, press MUTE on the remote control.

The CFT2200 can be set for the best sound quality on your stereo or TV. When you reach this setting, a small triangle and the message BEST STEREO are displayed.



NOTE

To understand your remote control, read the instructions that came with it.



Disabling the Remote Control

You can temporarily disable your remote control to prevent accidentally changing the current programming settings.

To disable the remote control:

- 1 Press MENU on the front panel of the CFT2200 or on the remote control to display the MAIN MENU.
- 2 Select **Control Your Terminal**.
- 3 Select **Deactivate Remote Control**.
- 4 Press SELECT on the remote control. The letters rL0 (remote lockout) display on the front panel.

Restoring the Remote Control

Press any key button on the CFT2200 front panel to restore the remote control.

MAIN MENU		
Control Program Viewing		
Program Guide		
Control Your Terminal		
Messages		
Control Program Timers		
For Help Press *	To Move Press: 	Page 1 of 1



NOTE

The on-screen display is set on a 15-second internal timer. If you do not complete your selection before timing out, you must start again. Read the instructions before beginning.

Displaying the MAIN MENU

The on-screen display offers many options that enhance your television viewing. The easy-to-follow screens enable you to locate information you want quickly and easily. The bottom of each screen provides instructions for making selections.

Before using the on-screen display, read the user guide supplied with your remote control.

Press MENU to display the MAIN MENU. The menu shown is only a sample. The one you see can have different entries in a different order.

FRIDAY, NOV 22	
3:00p	3:30p
QVC2 11	Holiday Shopping
TLC 12	Simply Style A Wedding Story
SHOW 13	Detective Story
QVC 14	Bracelet Showcase
THC 15	The Paint Job
WISN 16	Courtship of Eddie's Father Adventures of Black Stallion
For Help Press *	Move:  2:58pm FRI, NOV 22



Displaying the Program Guide

To display the program guide:

- 1 On the MAIN MENU, select **Program Guide** or press GUIDE on the remote control to display the program guide.
- 2 Follow the instructions on the bottom of the screen to highlight a program. Press INFO to see more information about the program. Press INFO again to return to the program guide.
- 3 Press EXIT to resume regular TV viewing.

TUNE A PROGRAM		
Frequency:	<input type="text" value="One Time"/>	
Start Day:	<input type="text" value="FRI 2/28"/>	
Channel:	<input type="text" value="45"/>	
Start Time:	<input type="text" value="11:00 pm"/>	
To Change Press:	<input type="text" value="⏪"/>	When Done Press: <input type="text" value="SELECT"/>

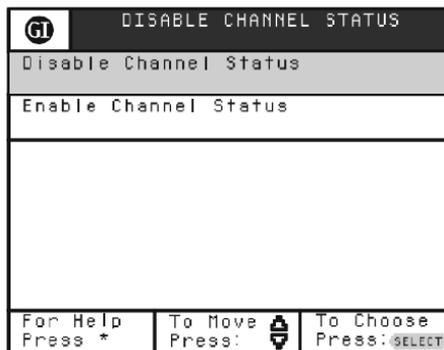
Tuning to a Program

The program guide and force tune timer are used to tune a program. To tune a program on the program guide:

- 1 Highlight a program or enter a program channel number. The program for the entered channel number is displayed at the top of the program guide.
- 2 Press SELECT. The following conditions will result:
 - If the program you selected is current, the CFT2200 tunes to it immediately.
 - If you selected a program that is scheduled at some future time, the TUNE A PROGRAM screen is displayed and you need to set a program timer. See page 29 for details.
 - If you select a special program (for example, a Pay-Per-View), other screens with information about the program are displayed. See page 25 for details.
 - If the program you select is under parental control, you are prompted to enter your parental control password. See page 17 about parental control passwords.

To scan premium and Pay-Per-View channels on the program guide press FAV, PPV, or MOVIE on the remote control.

To tune a program using a force tune timer, see details on page 30.



NOTE

If you disable automatic display, to access the CHANNEL STATUS screen and Mini-Guide, press INFO on the remote control.

Channel Status

When you change channels, the Channel Status screen is displayed. This screen includes the Mini-Guide and information about special features that have been set for that channel, such as, parental control.

The channel status screen disappears after five seconds, but you can press EXIT or SELECT on the remote control to remove it immediately. You can enable or disable the automatic Channel Status screen.

To set the Channel Status screen:

- 1 Press MENU on the front panel of the CFT2200 or on the remote control to display the MAIN MENU.
- 2 On the MAIN MENU select **Control Your Terminal**.
- 3 Select **Modify Screen Display**.
- 4 Select **Disable Channel Status**.
- 5 Highlight **Enable Channel Status** or **Disable Channel Status**.
- 6 Press SELECT and then press EXIT.

SET FAVORITE CHANNELS				
	2	INFOC	3	ABC
	4	NBC	5	WHYY
	6	WPHL	7	WTXF
fav	8	ENN	9	WGBS
fav	10	M2	11	QVC2
	12	TLC	13	SHOW
To set favorite ch press: SELECT		To Clear All Press: 0		

Adding Favorite Channels

You can store your favorite channel numbers for quick and easy access.

To add favorite channels:

- 1 On the MAIN MENU, select **Control Program Viewing**.
- 2 Select **Set Favorite Channels**.
- 3 Highlight the channel you want to add to the favorite channel list, then press SELECT. The fav designation is displayed next to the channel.
- 4 Press EXIT when you are finished.

To scan your favorite channels, press FAV on the remote control. If a channel is defined as a favorite, FAV appears in the channel information display when you tune to it.

Removing Favorite Channels

To remove a favorite channel:

- 1** Highlight the channel you want to remove from the favorite channel list, then press SELECT. The fav designation next to the channel disappears. Press 0 (zero) to remove all favorite channels.
- 2** Press EXIT when you are finished.

GI ENTER PARENTAL CONTROL PASSWORD		
The Parental Control feature requires that you enter a Parental Control Password		
Remember this number because you will need it in the future to access or change parental controlled viewing		
---- Use the numeric keypad to enter your password		
When Done Press: SELECT	To Clear Press: 4	To Exit Press: EXIT

GI ACTIVATE PARENTAL CONTROL		
Use the next screen to set your parental control preferences.		
Parental controls will be automatically activated when you leave the setup screen.		
Press SELECT to continue.		
To Return Press: LAST		To Exit Press: EXIT

The parental control and the Pay-Per-View features enable you to control channel access using a password. You can create a different password for each.

Adding a Parental Control Password

To add a four-digit Parental Control password (for example, 1224):

- 1 On the MAIN MENU, select **Control Program Viewing**.
- 2 Select **Set Parental Control**.
- 3 Select **Control Viewing By Channel, Rating, or Time**.
- 4 Using the numeric keys on the remote control, enter your password on the ENTER PARENTAL CONTROL PASSWORD screen and then press **SELECT**.
- 5 Re-enter the password to confirm it.
- 6 On the ACTIVATE PARENTAL CONTROL screen, press **SELECT**.

If you forget your password, call your cable service provider for assistance.

G1 SET SPENDING LIMIT		
You may set a cumulative spending limit. Purchases before the limit is reached do not require a password. Purchases after the limit is reached require a password.		
\$00.00 Use the numeric keypad to enter your password		
When Done Press: SELECT	To Clear Press:	To Exit Press: EXIT



NOTE

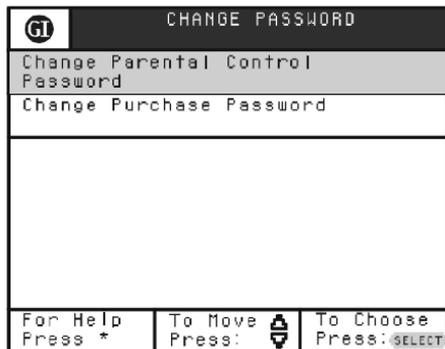
After you set the password, if you enter it incorrectly, you are prompted to try again. If you enter it incorrectly three times in a row, you must wait 5 minutes before trying again.

Adding a Pay-Per-View Password

To add a four-digit Pay-Per-View purchase password (for example, 1228):

- 1 On the MAIN MENU, select **Control Program Viewing**.
- 2 Select **Set Spending Limit**.
- 3 Use the numeric keys on your remote control to enter the password you have chosen and then press SELECT. The SET SPENDING LIMIT screen is displayed.
- 4 Use the numeric keys on your remote control to enter the spending limit. If you set the limit at \$00.00, all purchases require the password. If you set a limit greater than zero, the password is required only if the purchase exceeds the limit.
- 5 Press SELECT.

If you forget your password, call your cable company for assistance.



Changing or Deleting Passwords

You can change your parental control and purchase passwords at any time.

To change a password:

- 1** On the MAIN MENU, select **Control Program Viewing**.
- 2** Select **Change Password**.
- 3** Select the password that you want to change.
- 4** Enter your new password.
- 5** Follow the on-screen instructions to enter the new password or delete your old password by pressing the SELECT key twice.
- 6** Press EXIT when you are finished.



NOTE

Setting parental control by channel number is the most secure method. Parental control by rating or time depends on information sent periodically by your cable service provider, usually about every half-hour. This information is erased by a power failure and parental control is lost until your cable service provider resends the necessary information after power is restored.

If you want to control your children's television viewing, you can use the parental control feature after creating your 4-digit password. You can prevent the CFT2200 from tuning to programming based on channel number, rating, or time of day.

When anyone tries to tune a controlled program, a password prompt is displayed. After you enter the password, all programming is accessible without the password.

To establish parental control:

- 1** Create a four-digit password (See page 17).
- 2** Select the channels, ratings, or time periods that you want to control. See instructions for setting and re-activating parental control on pages 21-24.

G1 CONTROL VIEWING BY CHANNEL			
2	INFOC	3	ABC
4	NBC	5	WHYY
6	WPHL	7	WTXF
8	ENN	9	WGBS
10	M2	11	QVC2
12	TLC	13	SHOW
To lock by chan. press: SELECT		To Clear All Press: 0	

Setting Control by Channel

To set parental control by channel:

- 1** On the MAIN MENU, select **Control Program Viewing**.
- 2** Select **Set Parental Control**.
- 3** Select **Control Viewing By Channel**.
- 4** Use the cursor keys to highlight the channel.
- 5** Press SELECT. A lock symbol appears next to the channel.
- 6** To remove control, highlight the channel and then press SELECT. Press 0 (zero) to clear all channels.
- 7** If you want additional control by other methods, press LAST to display the SET PARENTAL CONTROL screen. Press EXIT when you are finished.

CONTROL VIEWING BY RATING CATEGORY	
G	NR
PG	
PG-13	
R	
NC-17	
K	
To lock by rating press: <input type="button" value="SELECT"/>	To Clear All Press: <input type="button" value="0"/>

Setting Control by Rating

Choosing control by rating allows unrestricted viewing of programs below the rating you selected. For example, if you choose R, programs rated PG-13, PG, or G can be viewed without the password; programs rated R, NC-17, or NR require the password.

To set parental control by rating:

- 1 On the MAIN MENU, select **Control Program Viewing**.
- 2 Select **Set Parental Control**.
- 3 On the SET PARENTAL CONTROL screen, select **Control Viewing By Rating**.
- 4 Use the cursor keys to highlight the rating.
- 5 Press SELECT. A lock symbol appears next to the rating and all higher ratings.
- 6 To remove control, highlight the rating and then press SELECT. Press 0 (zero) to clear all ratings.
- 7 If you want additional control by other methods, press LAST to display the SET PARENTAL CONTROL screen. Press EXIT when you are finished.

CONTROL VIEWING BY TIME		
Timer:	Enable	
Prevent Viewing:	12:00 am	
Allow Viewing:	6:00 am	
To Change Press: 	To Move Press: 	When Done Press: SELECT

Setting Control by Time

To set parental control by time:

- 1 On the MAIN MENU, select **Control Program Viewing**.
- 2 Select **Set Parental Control**.
- 3 On the SET PARENTAL CONTROL screen, select **Control Viewing By Time**.
- 4 Set the timer to **ENABLE**.
- 5 Set the control start and stop times.
- 6 Press SELECT.
- 7 To remove control by time, set the timer to DISABLE.
- 8 If you want additional control by other methods, press LAST to display the SET PARENTAL CONTROL screen. Press EXIT when you are finished.

Activating Parental Control

You can view controlled programs by entering your password when prompted. When you do this, all programming is accessible without the password until you re-establish parental control.

To activate parental control:

- 1** On the MAIN MENU select **Control Program Viewing**.
- 2** Select **Activate Parental Control**.
- 3** Press EXIT.

89 QNBC 11:30am - 2:00 pm		
City Slickers		
Three men, feeling like life is closing in on them, decide to escape the stress of the city by joining a two week, modern day cattle drive.		
-Billy Crystal		
1991 Comedy		
PG13		
Critique: ****		
Price:\$3.00		
For Help press:*	To continue press: INFO	Page 1 of 2

If your cable service provider supports Pay-Per-View purchases through the CFT2200, you can purchase programs from the Program Guide. Special screens display information about the program and help you complete the purchase.

To purchase a program:

- 1** Press SELECT to begin the purchase process.
- 2** Enter your parental control and purchase passwords. Before the purchase is made, you are given the opportunity to confirm or cancel it.

If you selected a current program, the CFT2200 tunes to it. If the program is on at some future time, the CFT2200 sets a timer to tune to it.



NOTE

If you enter your password incorrectly, you are prompted to try again. If you enter it incorrectly three times in a row, you must wait 15 minutes before trying again.

Purchase control enables you to control Pay-Per-View purchases by creating a password and spending limit. Enable purchase control by establishing a purchase password and spending limit. The purchase password is not the same as the parental control password, although you can define them by using the same four digits.

Choose a four-digit purchase password that is easy for you to remember. If you forget your password, call your cable service provider for assistance. See page 18 to create a purchase password and spending limit.

PROGRAM RECORDING



NOTE

While a recording is in progress, the CFT2200 front panel displays rEC, and control from front panel buttons and remote control are locked out. To exit the record mode and restore control, press EXIT and then REC on the remote control.

RECORD A PROGRAM	
Frequency:	One Time
Start Day:	FRI 2/28
Channel:	45
Start Time:	11:00 pm
End Time:	12:00 am
Change Press:	dB
When Done Press:	SELECT

The program guide and record timer are used to record programs.

To record a program using the record timer, see page 31.

To record a program using the program guide:

- 1 Put a tape in your VCR.
- 2 On the MAIN MENU, select **Program Guide** or press GUIDE on the remote control.
- 3 Follow the directions on the bottom of the screen to highlight the program that you want to record.
- 4 Press REC on the remote control.
- 5 Select **One Time, Daily, Weekly, Weekdays,** or **Weekends** on the RECORD A PROGRAM screen.
- 6 Press SELECT. You will have a chance to review your settings before confirming them.

- 7** Program your VCR to turn on at the same time and tune to the same channel that you set on the RECORD A PROGRAM screen. The CFT2200 and the VCR must be programmed separately for each scheduled recording.
- If the program you select is under parental control, you are prompted to enter your parental control password.
 - If you select a Pay-Per-View program, you are prompted to complete the purchase process.
 - If you set a timer that conflicts with one you set earlier, you are prompted to select one. Follow the on-screen instructions.

G1 TUNE A PROGRAM	
Frequency:	One Time
Start Day:	FRI 2/28
Channel:	45
Start Time:	11:00 pm
To Change Press: 	When Done Press: SELECT

Setting the Program Timer

The TUNE A PROGRAM screen is displayed when you try to tune a program playing in the future.

To set the timer:

- 1 Select **One-Time, Daily, Weekly, Weekdays, or Weekends.**
- 2 Press SELECT and then EXIT. The area around the program in the program guide turns dark blue to indicate that a timer is set. The CFT2200 automatically tunes to the program at its start time.

MAIN MENU		
Control Program Viewing		
Program Guide		
Control Your Terminal		
Messages		
Control Program Timers		
For Help Press *	To Move Press: 	Page 1 of 1

ADD FORCE TUNE TIMER		
Frequency:	<input type="text" value="One Time"/>	
Start Day:	<input type="text" value="FRI 2/28"/>	
Channel:	<input type="text" value="45"/>	
Start Time:	<input type="text" value="11:00 pm"/>	
To Change Press: 	To Move Press: 	When Done Press: <input type="text" value="SELECT"/>

Adding a Force Tune Timer

A Force Tune Timer is used to tune a program at the desired time.

To add a Force Tune Timer:

- 1 On the MAIN MENU, select **Control Program Timers**.
- 2 Select **Add Force Tune Timer**.
- 3 Follow the instructions on the bottom of the screen to make your selections and then press SELECT. If you set a timer that conflicts with one you set earlier, you are prompted to select one.
- 4 Confirm your selection and then press SELECT on your remote control.

G1 ADD RECORD TIMER		
Frequency:	One Time	
Start Day:	FRI 2/28	
Channel:	45	
Start Time:	11:00 pm	
End Time:	12:00 am	
To Change Press: 	To Move Press: 	When Done Press: SELECT

Adding a Record Timer

A Record Timer is used to record a program at a desired time.

To add a Record Timer:

- 1 On the MAIN MENU, select **Control Program Timers**.
- 2 Select **Add Record Timer**.
- 3 Follow the instructions on the bottom of the screen to make your selections and then press SELECT. If you set a timer that conflicts with one you set earlier, you are prompted to select which one to keep.
- 4 Confirm your selection and then press SELECT on your remote control.

Edit, Review, or Delete a Timer

To edit, review, or delete timers use the EDIT PROGRAM TIMERS screen:

- 1** On the MAIN MENU, select **Control Program Timers**.
- 2** Select **Edit Program Timers**.
- 3** Select a timer to edit, review, or delete.
- 4** Follow the instructions on the bottom of the screen to make your selections and then press SELECT.
- 5** Confirm your selection and then press SELECT on your remote control.



Setting the Sleep Timer

You can set the CFT2200 to turn itself and your TV off after a certain period of time. Your TV must be plugged into the ac outlet in the rear of the CFT2200 and the outlet must be set to switch on and off with the CFT2200. See page 37 to set the ac outlet.

To set the sleep timer:

- 1** On the MAIN MENU, select **Control Your Terminal**.
- 2** Select **Set Sleep Timer**.
- 3** Set the time.
- 4** Press SELECT and then press EXIT.

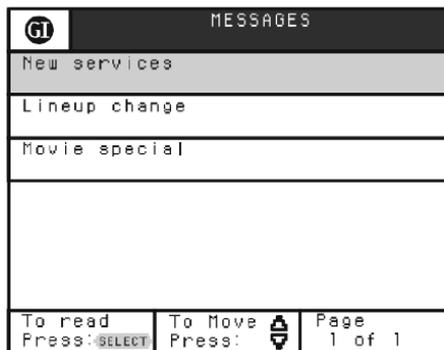
SET ALARM TIMERS		
Daily Turn On:	<input type="text" value="Enabled"/>	
Set Time:	<input type="text" value="12:00 am"/>	
Daily Turn Off:	<input type="text" value="Enabled"/>	
Set Time:	<input type="text" value="5:00 am"/>	
To Change Press: 	To Move Press: 	When Done Press: SELECT

Setting the Alarm Timer

You can set alarm timers to turn the CFT2200 and your TV on and off at certain times. Your TV must be plugged into the ac outlet on the rear of the CFT2200 and the outlet must be set to switch on and off with the CFT2200. See page 37 to set the ac outlet.

To set the alarm timers:

- 1** On the MAIN MENU, select **Control Your Terminal**.
- 2** Select **Set Alarm Timers**.
- 3** Set Daily Turn On and Daily Turn Off to Enabled.
- 4** Set the on and off times. Momentarily pressing the left and right cursor keys changes the time by one minute. Press and hold the cursor keys to change the time in 15-minute increments.
- 5** Press **SELECT** and then press **EXIT**.

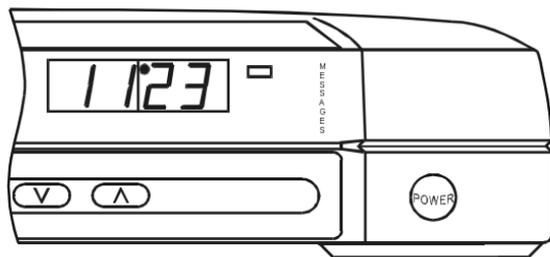


Occasionally, your cable service provider might send you messages about new service offerings, special promotions, or other information. The MESSAGES indicator is displayed on the CFT2200 front panel until you read the messages displayed.

To read the messages:

- 1** On the MAIN MENU, select **Messages**.
- 2** Select a message from the list.
- 3** After reading the message, you have the option to save it. While you can delete most of the messages, some can only be deleted by your service provider.
- 4** Press EXIT when you are finished.

TIME DISPLAY



The front panel of the CFT2200 normally displays the selected channel number but you can display the time. When you change channels, the new channel is momentarily displayed. When you turn the terminal off, it continues to display the time.

To display the time:

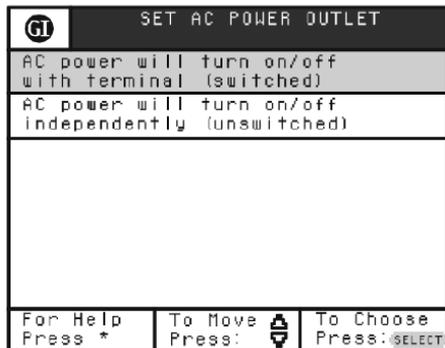
- 1** On the MAIN MENU, select **Control Your Terminal**.
- 2** Select **Set Up Your System**.
- 3** Select **Display Time On Your Terminal**.
- 4** Highlight **Enable** and then press SELECT.
- 5** Press EXIT.

AC POWER OUTLET



NOTE

Some TV sets require the power to always remain on. Check the user handbook for your TV.



You can plug your TV into the ac connector on the rear of the CFT2200. This enables you to turn your TV on and off with the CFT2200. The default setting for the outlet is switched (that is, it turns on and off with the CFT2200).

To set the ac power outlet to unswitched:

- 1 On the MAIN MENU, select **Control Your Terminal**.
- 2 Select **Set Up Your System**.
- 3 Select **Set AC Power Outlet**.
- 4 Highlight the unswitched option.
- 5 Press SELECT and then press EXIT.

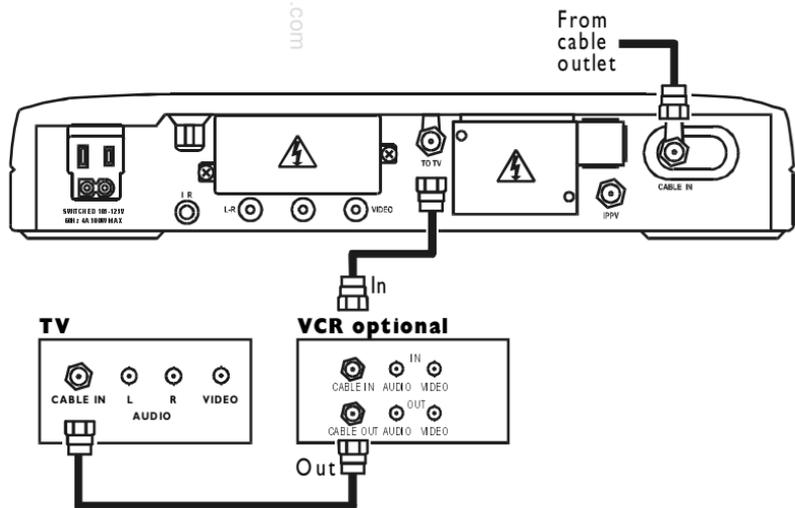
You may want to add a VCR or your stereo system.

To add equipment, you need the correct cables:

- For most connections, use 75-ohm coaxial cable equipped with F-type connectors.
- To use the audio or video outputs from the CFT2200, use cables equipped with RCA-type connectors.

The following diagram illustrates the basic connection to view cable programming. With an optional VCR, you can record programming. You can record and listen to stereo programming if you have a stereo TV or stereo VCR.

Basic Connections



BASIC CONNECTIONS

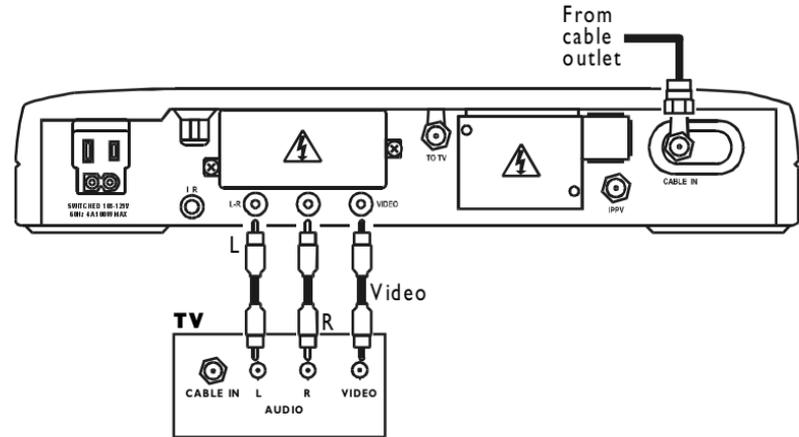


NOTE

With this hookup, you can listen in stereo to digitally encoded audio programming (Music Choice and Home Theater) if offered by your cable service provider, through your stereo TV.

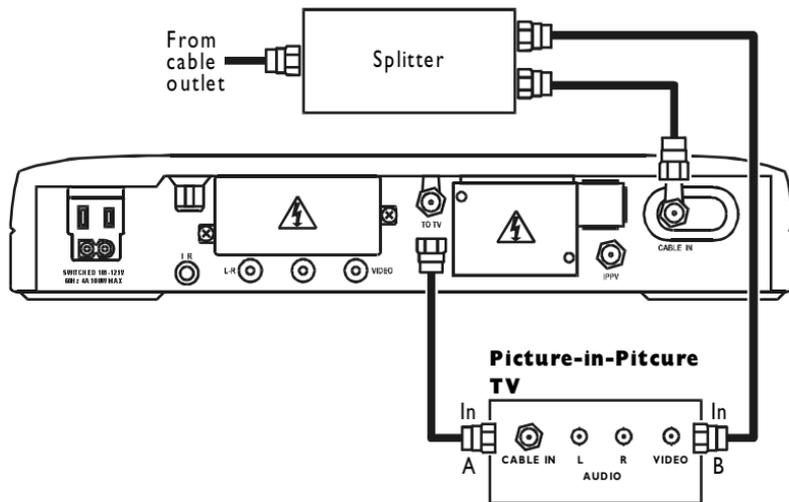
With Audio and Video Baseband Connections

The following diagram illustrates how to hookup to a TV having optional audio and video baseband connections.



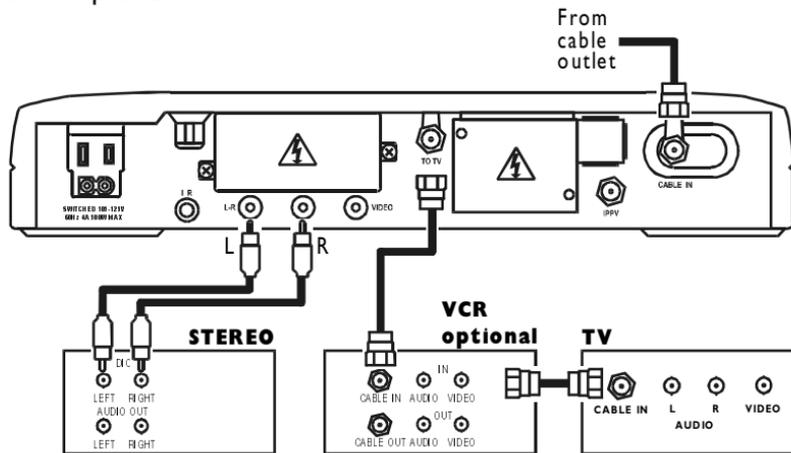
With Picture-in-Picture TV

If your TV offers this feature, the following diagram illustrates how to enable Picture-in-Picture. You can only tune non-scrambled channels on the B input.



With Your Stereo

You can listen to monaural and stereo audio through your stereo TV as usual, and turn on your stereo to listen to digitally encoded audio programming (Music Choice and Home Theater) if provided by your cable service provider.



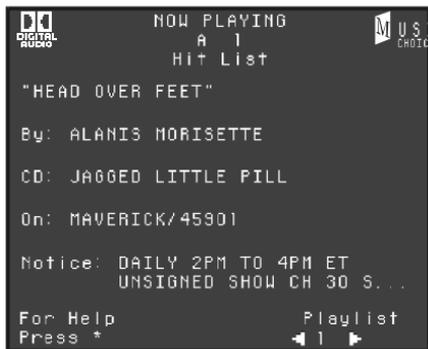
MUSIC CHOICE

MAIN MENU		
Control Program Viewing		
Program Guide		
Control Your Terminal		
Messages		
Listen To Music		
For Help Press *	To Move Press: 	Page 1 of 1

If you have the Music Choice option, you can enjoy commercial-free, CD-quality music. The on-screen display for Music Choice is similar to the TV viewing displays.

You can tune to Music Choice in two ways:

- Using the remote control, press **MUSIC**. If you are watching television, the CFT2200 switches to Music Choice. If the CFT2200 is off, it switches on and tunes to Music Choice. The CFT2200 displays the music channel number with the letter "A" before it (for example, A14). When you change volume, the volume level is momentarily displayed.
- On the MAIN MENU, select **Listen to Music**.



When you tune to Music Choice, the Song ID screen displays information about the current song.

The following remote control keys are especially important:

- The right cursor key lists information about previously played songs.
- EXIT returns to the Song ID screen for the current song.
- MENU returns to the MUSIC MAIN MENU.
- Press MUSIC on the remote control to tune to Music Choice, and change channels with the CHAN keys.
- Press MUSIC again or select **Watch Television** from the MUSIC MAIN MENU to return to watching television.

Your TV does not need to be on to listen to music. If you want to listen through your stereo system, you can turn off your TV (See details on page 42 to connect your stereo.)

SET FAVORITE CHANNELS		MUSIC CHOICE
<input checked="" type="checkbox"/>	A 1 Hit List	
<input type="checkbox"/>	A 2 Dance	
<input checked="" type="checkbox"/>	A 3 Hip Hop	
<input checked="" type="checkbox"/>	A 4 Urban Beat	
<input type="checkbox"/>	A 5 Body & Soul	
<input type="checkbox"/>	A 6 Reggae	
<input checked="" type="checkbox"/>	A 7 Blues	
<input type="checkbox"/>	A 8 Jazz	
<input checked="" type="checkbox"/>	A 9 Contemporary Jazz	
<input type="checkbox"/>	A 10 New Age	
<input type="checkbox"/>	A 11 Eclectic Rock	
<input type="checkbox"/>	A 12 Modern Rock	
To Set Favorite Press SELECT		To Clear All Press 0

Adding or Removing Favorite Channels

The CFT2200 lets you scan through your list of Music Choice favorite channels.

To add or remove channels in your list:

- 1 On the MUSIC MAIN MENU, select **Control Channel Listening**.
- 2 Select **Set Favorite Channels**.
- 3 To add a channel, highlight it on the SET FAVORITE CHANNELS screen and press SELECT. A check mark appears next to the channel.
or
To remove a channel, highlight it on the Set Favorite Channels screen and press SELECT. The check mark disappears. To remove all channels, press the zero key.
- 4 Press EXIT when you are finished.

You can now scan through your favorite channels by pressing FAV on the remote.

FIND A CHANNEL		MUSIC CHOICE
A 29	Jazz Plus	
A 30	Rock Plus	
A 33	80's Power Hits	
A 35	Progressive Country	
A 36	Pop Hits of the 90's	
A 51	BBC World Service	
A 63	Soft Album Mix	
A 99	Sounds of the Seasons	
A 29	Jazz Plus	
"DON'T GIVE UP"		
By: JOHN P. KEE		
For Help Press *	To Move Press: 	To Tune Press: 

Selecting by Channel

To make your selection from the full list of available channels:

- 1 On the MUSIC MAIN MENU, select **Find a Channel**.
- 2 Highlight your choice and press SELECT.
- 3 If you are satisfied with your choice, press EXIT. If not, make another.

The bottom of the FIND A CHANNEL screen shows information for the current song.

GI		SORT BY THEME		MUSIC CHOICE	
Pop		Urban			
Specialty		Jazz and Blues			
Rock		Classical			
Country					
For Help Press *	To Move Press:		Page	1 of 1	

Selecting by Theme

You can easily tune the type of music you enjoy most by choosing channel listings by theme.

To select channel listings by theme:

- 1** On the MUSIC MAIN MENU, select **Listen to Channels By Theme**.
- 2** Highlight your choice and press SELECT.
- 3** Highlight your choice of channel on the theme list and press SELECT.
- 4** If you are satisfied with your choice, press EXIT. If not, make another.

SET PARENTAL CONTROL		MUSIC CHOICE
A 1	Hit List	
A 2	Dance	
A 3	Hip Hop	
A 4	Urban Beat	
<input checked="" type="checkbox"/>	A 5 Body & Soul	
A 6	Reggae	
A 7	Blues	
A 8	Jazz	
A 9	Contemporary Jazz	
A 10	New Age	
<input checked="" type="checkbox"/>	A 11 Eclectic Rock	
A 12	Modern Rock	
To Set Control Press SELECT	To Clear All Press 0	

Adding and Removing Parental Control

As with television programming, you can restrict access to music channels by using a parental control password. This is the same password used for controlling TV viewing.

To add or remove restriction from selected music channels:

- 1 On the MUSIC MAIN MENU, select **Control Channel Listening**.
- 2 Select **Set Parental Control**.
- 3 Enter your password.
- 4 To add restriction, highlight the channel and press SELECT. A check mark appears next to the channel.

or
To remove restriction, highlight the channel and press SELECT. The check mark disappears.
- 5 Press EXIT.

CONTROL AUDIO CONFIGURATION		MUSIC CHOICE
Change Volume Equalizer	(OFF)	
Lock Terminal	(LOCKED)	
Set Best Stereo Volume	(SET)	
Change Screen Blanking	(OFF)	
Audio Bypass Control	(OFF)	
For Help Press *	To Move Press:  	Page 1 of 1

Using Parental Control

You can listen to parentally controlled channels by entering your password. When you do this, all music and TV programming is accessible without the password. To re-establish control, turn the CFT2200 off and on, or:

- 1 On the MUSIC MAIN MENU, select **Control Channel Listening**.
- 2 Select **Control Audio Configuration**.
- 3 Highlight **Lock Terminal** and then press SELECT. The notation (UNLOCKED) changes to (LOCKED).
- 4 Press EXIT.

CONTROL AUDIO CONFIGURATION		MUSIC CHOICE	
Change Volume Equalizer		(OFF)	
Lock Terminal		(LOCKED)	
Set Best Stereo Volume		(SET)	
Change Screen Blanking		(OFF)	
Audio Bypass Control		(OFF)	
For Help Press *	To Move Press: 	Page 1 of 1	

Setting the Volume Equalizer

The CFT2200 features a volume equalizer that reduces the dynamic range of the music to prevent wide changes in volume from song to song. If your cable operator supports this feature, you can turn the volume equalizer on.

To switch the equalizer on or off:

- 1 On the MUSIC MAIN MENU, select **Control Channel Listening**.
- 2 Select **Control Audio Configuration**. The CONTROL AUDIO CONFIGURATION screen indicates the current setting.
- 3 To change the setting, highlight **Change Volume Equalizer** and then press SELECT.
- 4 Press EXIT.

GI	CONTROL AUDIO CONFIGURATION	M	U.S. CHOICE
Change Volume Equalizer	(OFF)		
Lock Terminal	(LOCKED)		
Set Best Stereo Volume	(SET)		
Change Screen Blanking	(OFF)		
Audio Bypass Control	(OFF)		
For Help Press *	To Move Press: 	Page 1 of 1	

Setting Best Stereo Volume

To set the volume for best stereo listening:

- 1** On the MUSIC MAIN MENU, select **Control Channel Listening**.
- 2** Select **Control Audio Configuration**.
- 3** Select **Set Best Stereo Volume** and then press SELECT. The notation SET indicates that volume is set for best stereo.
- 4** Press EXIT.

 CONTROL AUDIO CONFIGURATION 	
Change Volume Equalizer	(OFF)
Lock Terminal	(LOCKED)
Set Best Stereo Volume	(SET)
Change Screen Blanking	(OFF)
Audio Bypass Control	(OFF)
For Help Press *	To Move Press:  
Page 1 of 1	

Blanking the Screen

While you are tuned to Music Choice, the on-screen display screens remain on. If you are concerned about the screens damaging the TV picture tube, you can set the CFT2200 to blank the screen.

- 1** On the MUSIC MAIN MENU, select **Control Channel Listening**.
- 2** Select **Control Audio Configuration**.
- 3** Select **Change Screen Blanking** and then press SELECT to switch between on and off. The screen does not blank immediately. It will blank after a few minutes if you do not make any menu selections.
- 4** Press EXIT.

To restore Music Choice screens, press any button on the CFT2200 front panel or any key on the remote control.



NOTE

Use of the audio bypass switch assumes that you always listen to audio through your home stereo and that a stereo signal is connected to the bypass switch AUDIO IN jack. If you listen through your TV speakers, digitally encoded audio programming will be heard in monaural format. If you listen through your home stereo with no signal connected to the AUDIO IN jack, all non-digitally encoded audio programming will not have an audio output.

When equipped with the optional audio bypass switch, the CFT2200 can automatically switch between its internal digital audio decoder and an external audio source to drive the left and right audio outputs. You can connect the left and right audio outputs of a stereo TV or VCR to the CFT2200 to always hear the best-quality sound through your stereo.

To use the switch:

- Your CFT2200 must include the optional audio bypass switch.
- Your TV system setup must include a stereo for audio output.
- Your TV system setup must include a stereo TV or VCR with left and right outputs.

AUDIO BYPASS SWITCH

CONTROL AUDIO CONFIGURATION		MUSIC CHOICE
Change Volume Equalizer	(OFF)	
Lock Terminal	(LOCKED)	
Set Best Stereo Volume	(SET)	
Change Screen Blanking	(OFF)	
Audio Bypass Control	(OFF)	
For Help Press *	To Move Press: 	Page 1 of 1

To set the switch:

- 1 From the MAIN MENU, select **Listen To Music**.
- 2 On the Music MAIN MENU select **Control Channel Listening**.
- 3 Select **Control Audio Configuration**.
- 4 Highlight **Audio Bypass Control** and then press SELECT to switch between on and off.
- 5 Press EXIT to return to the Song ID screen, or press MENU to return to the MAIN MENU.

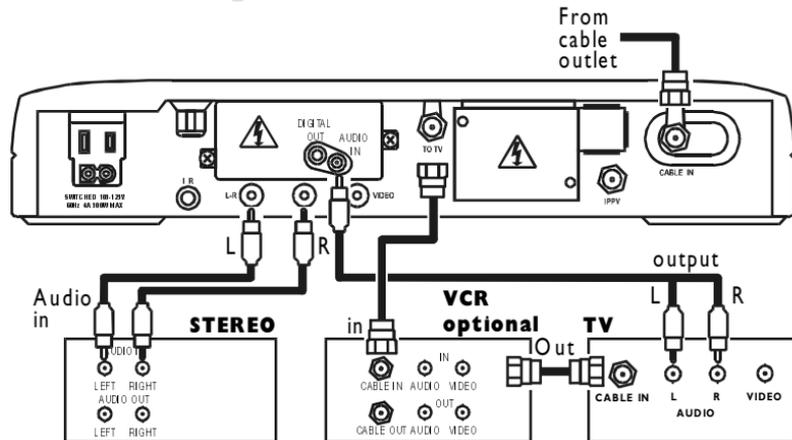
When the audio bypass switch is on and the CFT2200 is off, whatever signal is connected to the AUDIO IN jack is passed through to the left and right audio outputs of the CFT2200.

AUDIO BYPASS SWITCH



NOTE

With this hookup, you can listen to all audio programming through your home stereo and always hear the best-quality sound.

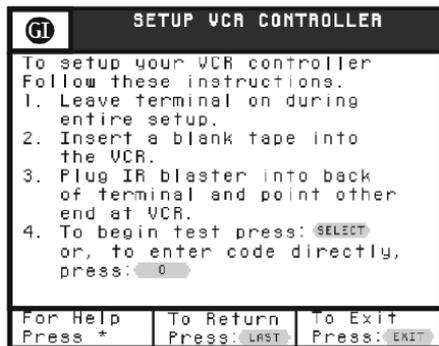


THE VCR CONTROLLER

Some cable service providers offer the option of infrared VCR control. If your CFT2200 is equipped with the VCR controller option, an IR transmitter is plugged into the rear of the CFT2200 and mounted to the front of your VCR. The CFT2200 can then turn the VCR on to record a selected program and turn it off when the program is over.



**IR Blaster placed
near VCR
remote-control
sensor**



If you have the VCR controller option, your cable service provider will usually set it up during the installation of the CFT2200.

If you need to set up the VCR controller:

- 1** On the MAIN MENU select **Control Your Terminal**.
- 2** Select **Set Up Your System**.
- 3** Select **Set Up VCR Controller**.
- 4** Follow the on-screen directions. You will be prompted for the manufacturer of your VCR and to check for the proper VCR controller response.
- 5** Press EXIT when you are finished.

General Instrument Corporation
463701-001-99
7/99