

Owner's Guide Guide du propriétaire Guía del propietario

harman/kardon

For more information and your nearest Harman Kardon dealer please call 800-422-8027.

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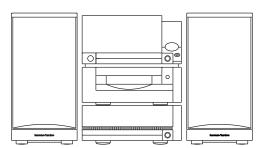
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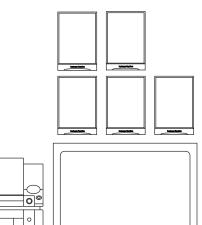
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Festival 60/80 Owner's Guide

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Important Safeguards

Read Instructions

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

Follow Instructions

All operating and use instructions should be followed.

Retain Instructions

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

Heed Warnings

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

Water and Moisture

The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, etc.

Carts and Stands

The appliance should be used only with a cart or stand that is recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Wall or Ceiling Mounting

The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

Ventilation

The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

Heat

The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat. Do not expose to direct sunlight.

Moving the Unit

Before moving the unit, be certain to disconnect any cords connected to other components, and make certain that you disconnect the unit from the AC outlet.

Grounding or Polarization

This appliance is equipped with a polarized plug and must be used with a polarized receptacle. The polarization or grounding of the plug should not be defeated. If the type of receptacle being used is not polarized, an electrician should be contacted.

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. We do not recommend the use of extension cords with this product.

Power Lines

An outdoor antenna should be located away from power lines.

Nonuse Periods

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

Object and Liquid Entry

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Servicing

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

Overloading

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

Damage Requiring Service

The appliance should be serviced by qualified service personnel when:

The power-supply cord of the plug has been damaged; or

Objects have fallen, or liquid has been spilled into the appliance; or

The appliance has been exposed to rain; or

The appliance does not appear to operate normally, or exhibits a marked change in performance; or

The appliance has been dropped, or the enclosure damaged.

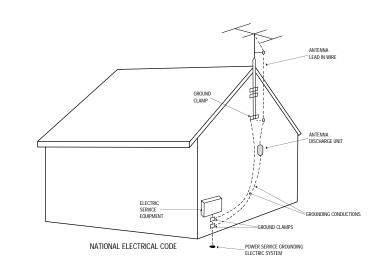
Replacement Parts

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.

Safety Check

Upon completion of any service or repairs, ask the service technician to perform a safety check to determine that the product is in proper operating condition.

U.S. and Canadian customers should use 120 volts AC only. Other customers should use voltages appropriate to their area. Connecting the units to an outlet supplying a higher voltage may create a fire hazard.



Safety Information

Verify Line Voltage Before Use

Festival has been designed for use with 120 volt AC current. Connection to a line voltage other than 120 volts can create a safety and fire hazard, and may damage the unit.

If you have any questions about the voltage requirements for your specific model or about the line voltage in your area, consult your selling dealer *before plugging the unit into a wall outlet*.

Do Not Use Extension Cords

To avoid safety hazards, use only the power cord supplied with your unit. We do not recommend that extension cords be used with this product.

As with all electrical devices, do not run power cords under rugs or carpets or place heavy objects on them. Damaged power cords should be replaced immediately with cords meeting factory specifications.

Handle the AC Power Cord Gently

When disconnecting the power cord from an AC outlet, always pull the plug, *never pull the cord*. If you do not intend to use the unit for any considerable length of time, disconnect the plug from the AC outlet.

Do Not Open the Cabinet

There are no user serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your warranty. If water or any metal object such as a paper clip, a wire or a staple accidentally falls inside the unit, disconnect it from the AC power source immediately and consult an authorized service station.

CATV or Antenna Grounding

If an outside antenna or a cable system is connected to this product, be certain that it is grounded to provide some protection against voltage surges and static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements of the grounding electrode.

NOTE TO CATV SYSTEM INSTALLER

This reminder is provided to call the CATV (Cable TV) 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 to the point of cable entry as possible.

Installation Location

To assure proper operation and to avoid the potential for safety hazards, place the unit on a firm and level surface. When placing the unit on a shelf, be certain that the shelf and any mounting hardware can support the weight of the product.

Make certain that proper space is provided both above and below the unit for ventilation. If this product will be installed in a cabinet or other enclosed area, make certain that there is sufficient air movement within the cabinet. Under some circumstances a fan may be required.

Do not place the unit directly on a carpeted surface.

Avoid installation in extremely hot or cold locations, or an area that is exposed to direct sunlight or heating equipment.

Avoid moist or humid locations.

Do not obstruct the ventilation slots on the top of the unit, or place objects directly over them.

Cleaning

When the unit gets dirty, wipe it with a clean, soft, dry cloth. If necessary, wipe it with a soft cloth dampened with mild soapy water, and then a fresh cloth with clean water. Wipe dry immediately with a dry cloth. NEVER use benzene, aerosol cleaners, thinner, alcohol or any other volatile cleaning agent. Do not use abrasive cleaners, as they may damage the finish. Avoid spraying insecticide near the unit.

Moving the Unit

Before moving the unit, be certain to disconnect any interconnection cords with other components, and make certain that you disconnect the unit from the AC outlet.

Important Information for the User

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. The 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 installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that harmful 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 tuning 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.

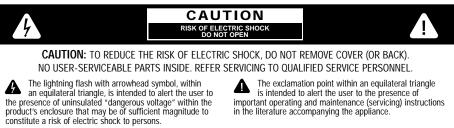
Increase the separation between the equipment and receiver.

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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept interference received, including interference that may cause undesired operation.

NOTE: Changes or modifications may cause this unit to fail to comply with Part 15 of the FCC Rules and may void the user's authority to operate the equipment.



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT. ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

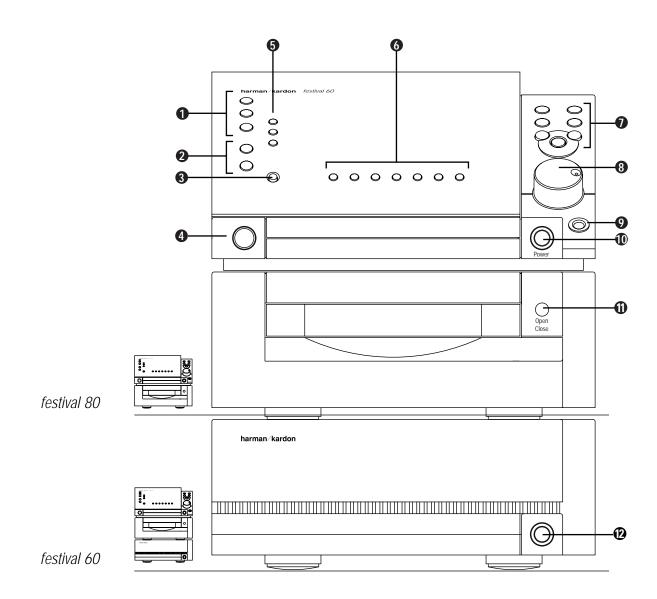
Quickstart

1 Be Safe

Read the safety instructions on pages 2 and 3.

2 Unpack & Stack

Stack components as shown below.



Product Overview Front

Source Buttons

Press desired source button to select input source.

Osound Keys Press to access sound quality and tone control functions for all sources.

O Clock

Press to access the clock, sleep and wake functions.

Remote Control Receiver

Point remote control at this area for optimum remote operation. (Remote range is 15 feet.)

Option Buttons

These buttons change function based on the source being used. Press to select functions specific to each source. Some functions require more than one press for adjustment or selection.

O Selection Buttons

In the Tuner mode these buttons store or recall preset stations, in the CD mode they select discs, and in the Aux mode they select Aux inputs. In the Clock mode they adjust the time and the wake time setting.

Play Controls

Press to select, adjust and operate functions specific to each source. Some functions require more than one press for adjustment or selection.

O Volume Knob

Rotate to adjust volume level.

• Headphone Jack

Accepts 1/8" headphone connector.

O Power

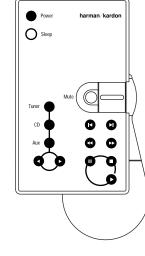
Press lightly to put the system into Standby (which saves all settings). Press firmly to turn unit completely Off. The power light is green when the system is On and orange when the system is in Standby.

Open/Close

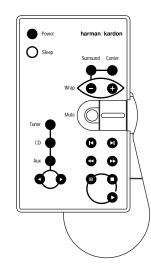
Press to open and close the CD drawer.

Power Indicator (Festival 60 only)

This indicator is green when the system is On and orange when the system is in Standby.



festival 60 remote



festival 80 remote

Remote

Place batteries (included) in the remote as shown below. Most of the buttons and controls on the remote have functions identical to the buttons and controls on the control unit. The remote control requires two AA batteries. The range is 15 feet.

Power

Press to put the unit in Standby.

Sleep

Press to put the system into the Sleep mode. (See clock section on page 13 for more information).

Source Buttons

Press desired source button to select an input source.

Selection Buttons

Press to scroll through and select functions specific to each source.

Volume Controls

Press Volume to adjust sound level.

Press Mute to temporarily silence speaker output.

Play Controls

Press to select, adjust and operate functions specific to each source.

Festival 80 only

Surround

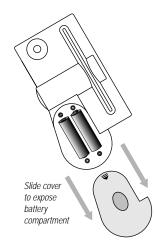
Press to access surround sound control functions.

Center

Press to access center speaker control functions.

Wrap

Press to adjust surround sound effects.



Electronics

O Connect the Ribbon Wire

Push the plugs on the ribbon wire **(**) firmly into corresponding connectors on the Controller until they "click" into place. Slip the wire edges beneath cable management clips.

• Connect the Antenna

Connect the included antenna or an external FM antenna to the FM (75 ohm) connector. The included 300 ohm to 75 ohm adapter is required for connections from twin lead or inside dipole antennas.

AM

Assemble the included AM Loop Antenna and connect it to the AM and GND connectors. If an external AM antenna is used, follow the instructions supplied with the antenna.

Connect the Power Cord

Plug the female end of the power cord () (provided) into the AC power jack on the rear of the unit. Do not plug the male end into an AC outlet until all other connections have been made. In addition to the power connection to the controller, Festival 60 has a power connection to the Amplifier and Festival 80 has a power connection to the Powered Subwoofer.

Speakers

Festival 80

OPOSITION THE Speakers

Festival 80 includes five 2-way satellite speakers and one powered subwoofer. The satellite speakers all connect to the subwoofer. The subwoofer connects directly to the controller. See page 14 for speaker placement recommendations.

Oconnect the Speakers

The five speakers each have a pair of springloaded wire clips. The subwoofer has five pairs of corresponding connectors. Run a length of the provided wire from each speaker to the subwoofer. Cut the wire and strip the two leads at each end. Attach the leads at the speaker to the red and black clips. To ensure proper polarity, attach the leads at the subwoofer to the corresponding colored spring clips. Repeat for all four remaining speakers.

O Connect the Subwoofer

Connect the round multi-pin connector of the subwoofer cable to the subwoofer jack on the Controller. Connect the other end to the jack on the back of the subwoofer as shown.

Festival 60

Position the Speakers

Festival 60 includes two 2-way "bookshelf" speakers that can be placed almost anywhere in a room and still provide superior sound quality. Both speakers connect directly to the controller. See page 14 for speaker placement recommendations.

O Connect the Speakers

Both speakers have a pair of screw-type wire connectors. The amplifier has two pairs of similar connectors. Run a length of the provided wire from each speaker to the amplifier. Cut the wire and strip the two leads at each end. Unscrew the knobs on the back of the speaker to reveal a hole in each post. Insert one lead in the red post hole and the other in the black, then tighten. To ensure proper polarity, attach the leads at the amplifier to the two corresponding colored connectors.

Oconnect the Subwoofer (optional)

If you are adding an optional powered subwoofer to this system, connect the subwoofer to the jacks on the back of the amplifier.

Optional Connections

@ Aux 1, 2 & 3 Inputs

Connect the audio and video outputs of up to three external sources (DVD, VCR, cassette, etc.) to these jacks. Connect computers and portable audio products to the R/L jack linked to Aux 2. If the R/L jack is used, the Aux 2 input is disabled.

• Aux 1 Output

Connect these jacks to the audio and video inputs of a VCR or cassette deck to record Festival's output. Connect the "To TV" output jack to the video input of your TV, projector or video monitor to view the video source selected by Festival.

Remote IR Extension

If the Festival's front panel remote control receiver is blocked, connect an external IR (InfraRed) sensor to this jack and place sensor in an unobstructed area.

Connectors festival 80

Speaker wire

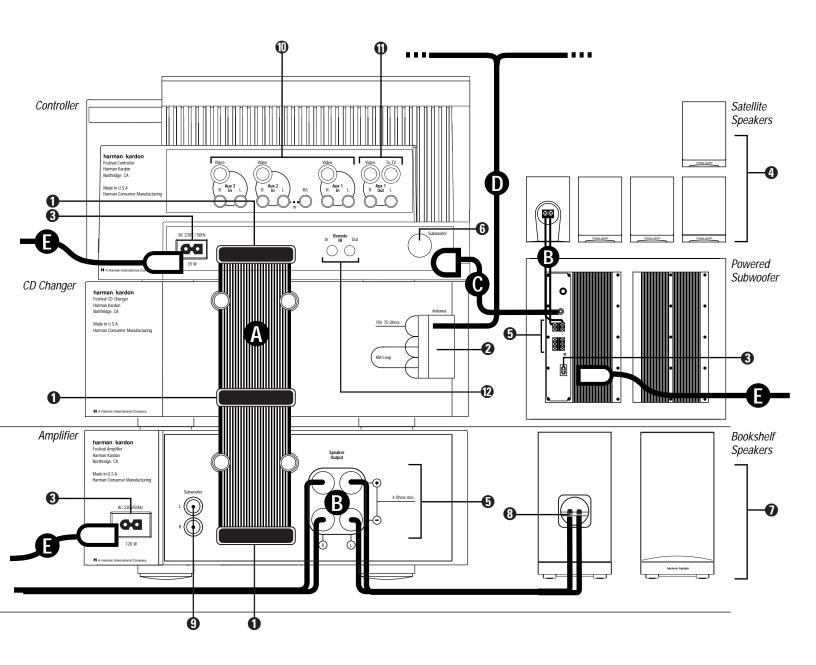
• Subwoofer cable (Festival 80 only)

- Antenna
- Power cord

festival 60

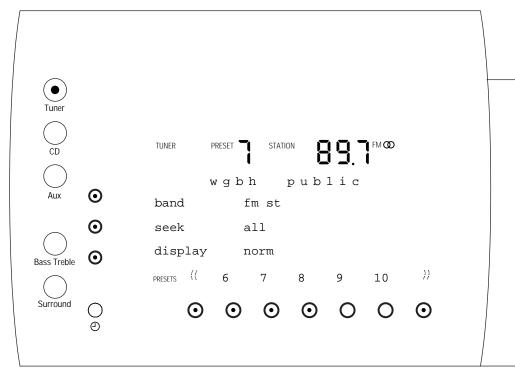
festival 60/80





Tuner

Festival features a highly precise radio tuner, including 20 presets and 2 different seek functions. Select Tuner to access all Tuner functions and controls.



Option Buttons

Selecting the frequency band

🕑 band

Press repeatedly for desired frequency band, AM or FM.

- fm st Tunes all FM stations.
- fm mo Tunes all FM stations and plays them in mono.
- a m Tunes all AM stations.

Selecting the Seek mode

🕑 seek

Press repeatedly for desired Seek mode. (See Seek under Play Controls on opposite page.)

- all Seeks all active stations in selected band.
- rds Seeks only selected RDS type (FM only). See RDS on page 9 for more information.

Displaying RDS messages (FM only)

🕑 display

Press repeatedly for desired RDS display mode.

- norm Displays station identification and RDS program type in message bar.
- text Displays additional RDS information in message bar.

Selector Buttons

In Tuner mode, the Selector Buttons become station "presets." They instantly store or recall stations, including the band and mono/stereo mode selections.

Storing Presets

Tune to the station you want to store, then press and hold the unlit numbered button until

The selected button will light, indicating a stored preset. The system stores up to 20 presets.

Storing a preset in a lit button automatically overrides the previously stored preset.

Recalling Presets

Press a lit numbered button.

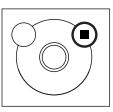
Press $\langle \langle \text{ or } \rangle \rangle$ to access more available presets.

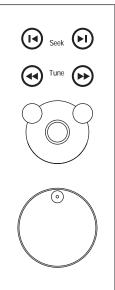
To clear all Presets

Turn the system completely off by firmly pressing the Power switch on the Control Unit so that no lights are illuminated. Then turn the system back on and immediately press the Stop button \bigcirc in the Play controls (see below). The message bar in the Tuner screen should now read presets

cleared

Note: Depending upon the previous mode selected, the Stop button may not be illuminated.





Play Controls

Seek



Press to skip back or forward to the next station depending on seek mode selected. (See SEEK in the Options section on page 8.)

Normal Mode

Seek will search for all stations.

RDS Mode

Seek will search for selected RDS type stations. (See RDS explanation on this page.)

Tune



The s e e k mode, selected with the Options button (see page 8) affects the operation of the Tune buttons. You cannot tune in Seek RDS. If you want to tune, select Seek $a \downarrow \downarrow$.

Tuning Stations

When the Seek mode is a l l, press and release the Tune buttons to tune one frequency step at a time.

Press and hold Tune buttons for a quick scroll through all frequencies.

Selecting RDS type for Seek (FM only) When the Seek mode is rds, the Tune buttons become Select buttons. Press and release them to scroll through and select RDS types.

Press and hold Select buttons for a quick scroll through RDS types.

Power harman /kardon Sleep Tuner Mule

festival 60 remote

RDS

Festival displays text messages, including station identification and program type, from FM stations broadcasting RDS (Radio Data System) information.

When available, additional information may be displayed by selecting text with the display button.

Seek RDS

Seeks only stations of the selected RDS type. However, only stations broadcasting RDS information will be tuned.

Seeking for specific RDS signals

Select \overline{RDS} with the \underline{seek} Option Button. Press $\textcircled{O}_{\text{state}}$ O repeatedly to select RDS type (displayed in message bar).

Press $\textcircled{\mbox{\tiny best}}$ $\textcircled{\mbox{\tiny best}}$ to automatically find the next station of the selected RDS type.

Remote

Tuner functions

Many of the buttons and functions of the remote mimic the buttons and functions of the control unit in Tuner mode.

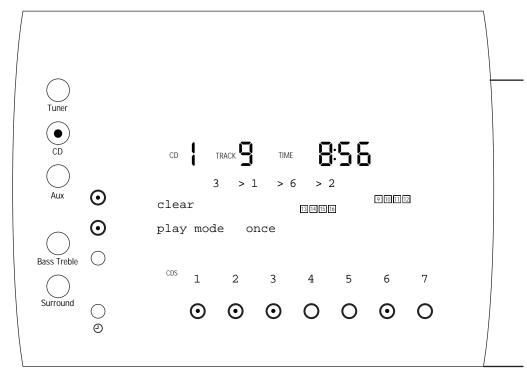
The Play Control buttons on the remote function identically to Play Controls on the control unit.

Selecting Presets using the remote Press and release the Select buttons **O** to choose programmed presets one at a time.

Press and hold Select buttons • for a fast scroll through programmed presets.

: CD Changer

Festival features a programmable 7-disc CD Changer that accepts both standard-sized CD's and one 3-inch CD. Festival's sequencing feature allows you to play through loaded CDs in any order you choose. Press CD to access all CD functions and controls.



Option Buttons

Clearing a CD sequence

• clear

Press to erase the current sequence. Then select a new sequence or push Play ⊙ to build and play a sequence of loaded disks. (The sequence is shown in the message area of the display.)

Selecting the play mode

- 🕑 play mode
 - Press repeatedly to select play option.
 - once Plays all sequenced CDs once.
 - rpeat Plays all sequenced CDs, then repeats sequence.
 - randm Randomly plays all songs from selected CDs.

Selector Buttons

In CD mode, the Selector Buttons allow you to load, select and sequence CDs.

To load CDs into empty "slots"

Press any unlit CD button (unlit = empty "slot"). The CD drawer will open automatically.

Place a CD in the CD drawer.

Note: Place 3-inch discs in slot 1 only. Placing 3-inch discs in any other slot will damage Festival and the disc.

Press OPEN/CLOSE or the button beneath the blinking disc number to close drawer.

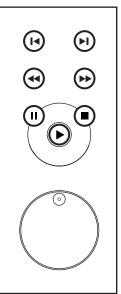
Selecting a single CD to play Press a lit CD button (lit = loaded CD).

Press to play CD.

Creating a sequence

Press CLEAR to erase previous sequence. Press lit CD buttons in the order that you wish to listen. Press () to start playing sequence.

To eject a specific CD Press lit button of CD you wish to unload. Press OPEN/CLOSE to eject CD. Remove CD. Press OPEN/CLOSE to close drawer.



Play Controls

Skip



Press to skip back to the previous track or forward to the next track on the disk.

Press and release to skip one track at a time.

Press and hold to scroll quickly through the tracks.



Press to audibly search back or forward through a track.

Press and release to search a few seconds at a time.

Press and hold for a continuous audible search through a track.

Pause

Press to pause current CD at the point of play. Press () to resume play from point of pause.

Stop



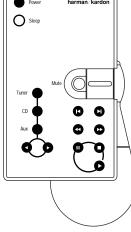
Press to stop play of current CD.



Press to begin play of selected CD or sequence.

Note: It may take a few moments for Festival to load CD before play begins.

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festival 60 remote

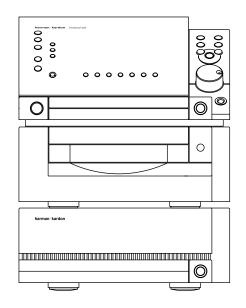
Open/Close

Press to open or close CD drawer. The CD drawer can also be closed by gently pushing the drawer toward Festival.

Festival will eject the currently selected CD, which is displayed in the upper left corner of Display.

When closing, the CD drawer may appear to "stutter" or hesitate. This action actually ensures proper alignment of the discs and is part of Festival's normal operation.

Note: Place 3-inch discs in slot 1 only. Placing 3-inch discs in any other slot will damage Festival and the disc.



Remote CD Functions

Many of the buttons and functions of the remote mimic the buttons and functions of the control unit in CD mode.

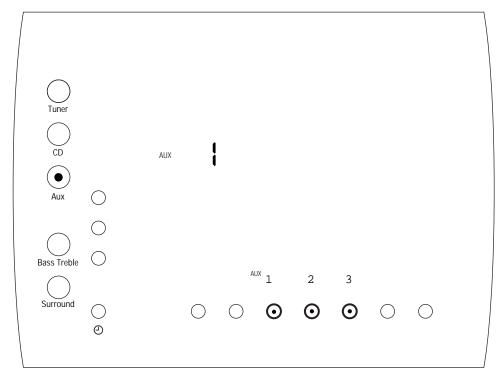
Play Control buttons function identically to Play Controls on the control unit.

Selecting CDs using the remote Press and release the Select buttons **•••** to choose previous or next CD in sequence.

Press and hold the Select buttons • for a fast scroll through CDs in sequence.

: Aux

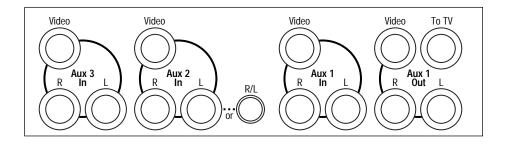
Festival allows you to connect up to 3 external audio/video sources (DVD, VCR, cassette deck, etc.). Two of the sources (Aux 2 and Aux 3) can be recorded when they are in use. When video sources are connected, Festival also functions as a video switcher. For both audio and video, Festival does not control the external sources, but provides the ability to choose between them. Press Aux to select an external source.



Selector Buttons

Aux 1, 2 & 3

Press to select an auxiliary input.



Aux Inputs & Outputs

Aux 1, 2 & 3 In

R in L

Connect these jacks to the audio PLAY/OUT jacks of an external audio source.

Video

Connect this jack to the composite video PLAY/OUT jack of your VCR.

R/L (Aux 2 Only)

Note: The small 3.5 mm (1/8") stereo jack (R/L, above) may be used for computers or portable audio products. When this jack is used, it automatically overrides the product connected to the main Aux 2 audio inputs.

Use this jack when the external audio is delivered through a single cable or an adapter that combines separate stereo cables in one plug. With this jack, the source may be stereo or mono, but the plug must be a 3.5 mm (1/8") stereo mini-plug.

Aux 1 Out

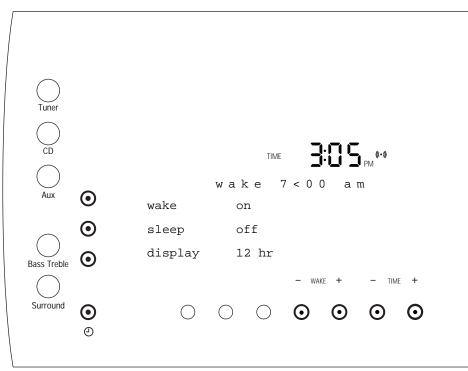
R Out L Connect these jacks to the RECORD/IN jacks of an external recorder (cassette recorder, VCR, etc.).

Video

Connect this jack to the composite video RECORD/IN jack of your VCR.

To TV

Connect this jack to the composite VIDEO/IN jack of your TV.



Clock 🕘

Festival features a multi-function, programmable clock. Before you can use any of Festival's clock functions, you must first set the correct time. Press the ④ button to access all clock functions and controls.

Option Buttons

Note: Time of day must be set first using Selector buttons before setting wake times.

To wake up to music

💿 wake

The Wake mode automatically turns Festival on and begins playing music at any time you choose.

Press wake button to on mode.

Press the _ or + wake/button until desired wake time is displayed in the message bar.

Select the music source you wish to wake to. If waking to the CD, make sure CDs are loaded and sequenced as desired. (See page 10.)

Lightly press POWER on the unit or the remote to place Festival in Standby mode.

Festival automatically turns itself on and begins playing the selected source at the set time each day until the wake function is turned off.

Press wake button to off mode.

To set Sleep timer

🕑 sleep

In Sleep mode, Festival dims its screen and plays music from the selected source for a designated amount of time, then turns itself off.

Press sleep button repeatedly until desired play time is displayed (60, 30, or 10 minutes).

When time has expired, Festival places itself in Standby, allowing Wake and Sleep functions to not interfere with each other.

To turn off Sleep function

Press sleep button repeatedly until off appears in the display.

To select a time standard

• display

Press repeatedly until desired time display appears.

- 12 hr Shows time in 12 hour time.
 - (with a.m. or p.m.)
- 24 hr Shows time in 24 hour ("military") time. (no a.m. and p.m.)
- off Turns Clock display off.

Selector Buttons

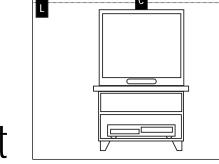
Setting the time of day

Press and release the _ or _ Time button to adjust by one minute at a time.

Press and hold the $_$ or $_$ Time button for a fast scroll through time.

Customizing the Surround Sound

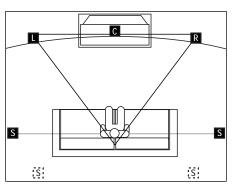
R

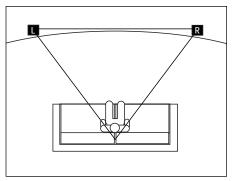


Speaker Placement

For simple stereo or advanced home theater surround sound, speaker placement can greatly affect the quality of your listening experience. The following is a guide to help with proper positioning. However, you may need to experiment with speaker and subwoofer placement to achieve the best possible effect.

Note: When connecting speakers, be sure to connect the "negative" wire to the negative connectors (designated by the color black and/or a (–) symbol) on both the Festival amplifier or subwoofer amplifier and the speakers to assure proper speaker polarity. Connect the other wire to the positive terminals (designated by the color red and/or a (+) symbol).





Festival 80 Surround Speaker Placement

Front Speakers: L, R, C

To optimize surround effect, place the center speaker on top of the TV or as close to the top of the screen as possible.

Place the front right and left speakers as close to the same height as the center speaker as possible (the tweeters of all front speakers should be within 2' (.6 m) of the same height). You may wish to place the left/right speakers slightly forward of the television, angled slightly and pointed toward the listening position.

Aim the front speakers at ear level when seated in the primary viewing/listening area.

Surround Speakers: S

Place the surround speakers on the side walls of the room, at or slightly behind the primary viewing/ listening area. If side wall placement is not possible, place the surround speakers on a rear wall no more than 6' (2 m) behind the listening area.

Surround speakers should be placed at least 2' (.6 m) higher than ear level when seated.

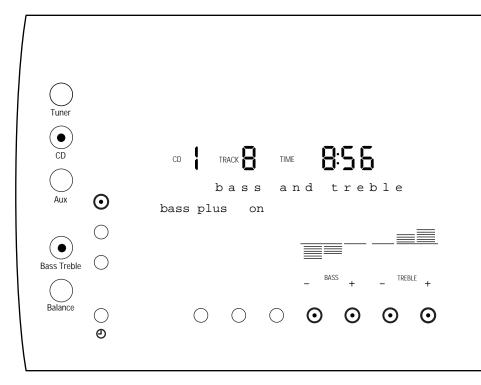
Subwoofer

Subwoofers produce non-directional sound and may be placed almost anywhere. Experiment with location for the best results in your listening room.

Please refer to additional instructions on page 16 for optimizing system performance.

Festival 60 Stereo Speaker Placement

Position right and left speakers as far apart from each other as they are from the listening area. Point speakers toward the listening area.



Bass Treble :

Festival allows you to manipulate the quality and tone of the sound to match your individual preferences. The bass and treble controls affect the entire system, not just the current music source.

Press the Bass Treble button to access sound equalization functions and controls.

Option Buttons

Increasing the bass output

• bass plus

Bass Plus "boosts" the amount of bass, regardless of the current bass/treble setting. The effect is most noticeable at low volumes. Press to turn Bass Plus feature on or off.

on More bass.

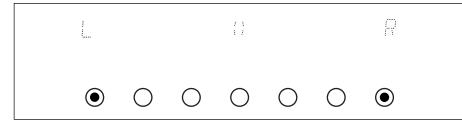
off Less bass.

Selector Buttons

Adjusting the Bass

Press + to increase or press _ to decrease the amount of Bass.

Adjusting the Treble Press + to increase or press _ to decrease the amount of Treble.



Selector Buttons

To move the sound to the left Press the 1 button repeatedly until the desired

effect is achieved.

To move the sound to the right

Press the \mathbf{r} button repeatedly until the desired effect is achieved.

To return the sound to the center

Press the lit center selector button. It illuminates when the balance is shifted left or right.

Balance

Festival 60 Only

harman/kardon

Press the Balance button to access speaker output controls.

Balance allows you to "move" the sound right or left until the volume level appears to sound the same from each speaker.

0

Surround Setup

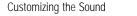
Festival 80 Only

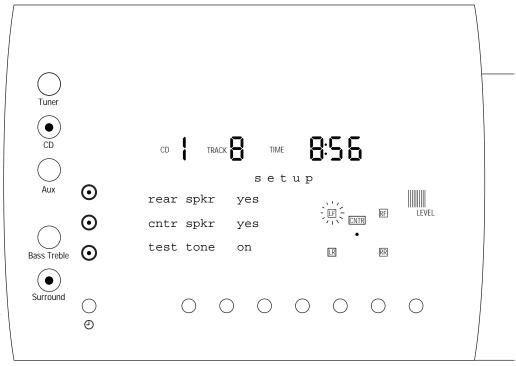
Festival allows you to customize the Surround Sound features to suit your personal needs.

Press the Surround button, then the setup button to access Surround Sound functions and controls.

Sit in the location where you will most often watch movies. Use the remote to adjust features.

Ideally, the sound from the speakers should appear to reach the listening area at the same time and at equal levels. You may need to adjust the Surround Setup and speaker placement to optimize your surround sound.





Option Buttons

To turn rear speakers on or off

• rear spkr

Press to activate surround speakers (display says $y \in s$) or deactivate (display says $n \circ$).

Note: If no surround speakers are connected, this setting should be NO. When they are connected, do not use this feature to mute their output.

To turn center speaker on or off

• cntr spkr

Press to activate y e s or deactivate n o center speaker. When the center speaker is turned off, Festival automatically generates a "phantom center" from the right and left front speakers.

Note: If no center speaker is connected, this setting should be NO. When a center speaker is connected, do not use this feature to mute its output.

_ To turn test tone on or off

• test tone

Press to turn test tone on or off.

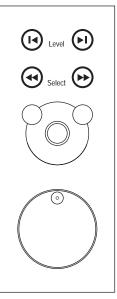
Use the Play Control buttons to select and adjust the output of the speakers until the volume is equal from all speakers.

To adjust the output level of individual speakers in surround mode, press test tone to on .

Press ⊕_{sdect} ⊕ to select speaker to adjust.

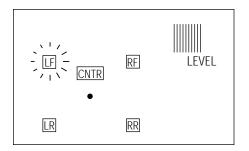
Press $\textcircled{\bullet}$ to adjust speaker output.

Repeat until all output levels are equal from all speakers.



Play Controls

Adjusting the reference speaker level When test tone is $_{O n}$, you should hear a static-like hiss from the left front speaker and the LF light on the display will blink. This is the reference speaker and can only be adjusted from the main volume control on the amplifier.



Selecting other speakers for level adjustment

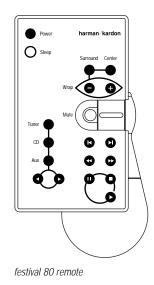


Press and release to select individual speakers for test tone adjustment. Press and hold to move continuously between speakers for easy comparison.

Adjusting other speaker levels



Press and release to incrementally adjust the test tone level for the selected speaker. Press and hold for continuous adjustment.



Remote Surround Sound Functions

The remote duplicates some of the Surround Sound buttons on the control unit. Use the remote to select and adjust some Surround Setup features while you are seated in the listening area for perfect customization.

Surround Operation

Festival 80

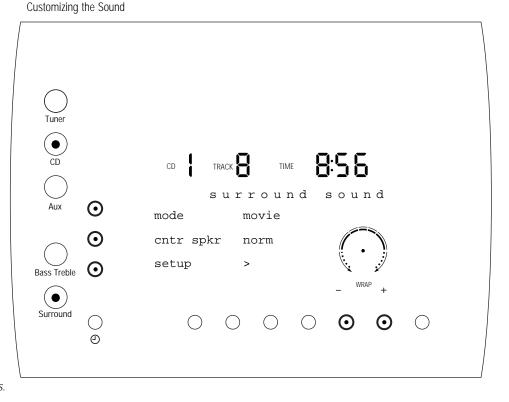
Festival 80 is equipped to deliver superior home theater sound for movies and music. Festival 80 uses a 5-speaker system and a subwoofer to create realistic effects and surround imaging.

Press Surround to access all surround functions and controls.

Note: It is normal for the surround channels to operate only occasionally and often to be silent.

Movie directors typically use these channels exclusively to establish ambiance or create effects.

Turning the volume level up to "hear" more surround sound may actually distort the intended illusion and introduce unwanted system noise.



Option Buttons

Choosing a Surround mode

• mode

Press repeatedly for desired Surround mode.

- movie Duplicates the acoustics of a movie theater. This mode activates Festival's Dolby* Pro Logic* feature which reads the surround sound effects in movies.
- music Creates optimal surround for music sources.
- hall Hall simulator.
- off Surround sound turned off.

Adjusting the output of your center speaker

• cntr spkr

Press repeatedly for desired center speaker mode.

- norm Center speaker loudness is equal to other speakers.
- boost Increases center speaker loudness without affecting other speakers. This is a convenient way to selectively increase the center channel volume of movies or other video or Dolby Pro Logic sources.

Configuring your system for surround sound

• setup

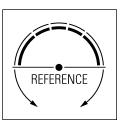
Press to access surround speaker setup functions. Pressing setup will change the function of some buttons and activate functions of others (see pages 16-17).

Selector Buttons

An innovative Festival feature called Wrap allows you to control the feeling of spaciousness in a listening area by creating the illusion of distance between the front and surround speakers.

Movie and Music surround modes begin with a factory default setting for the Wrap effect. The Movie and Music settings may be adjusted by using the selector buttons on the console. Press _ to decrease or + to increase how far the sound "wraps" around the listening area. Dots on the Wrap indicator will light to show changes to the Wrap setting.

The Movie mode is based on Dolby Pro Logic, a surround sound process that uses information encoded in two-channel stereo recordings to produce four distinct channels (left, center, right and surround). Dolby Pro Logic is used in movies, television programs and some music recordings. When the word REFERENCE appears in the Wrap Indicator, the Wrap circuits are turned off for standard Pro Logic operation. Increase or decrease the amounts of Wrap as shown above to suit your listening taste.



Troubleshooting

Festival is designed for trouble-free operation. So, if you have a problem, first check this list for a possible solution. If the problem persists, consult your authorized Harman Kardon Service Center.

If the problem is	Make sure that the Unit is plugged into a live outlet. Power switch was pressed all the way in and released	
No lights on when POWER button pressed:		
No sound is heard:	Speakers are connected. Unit has not been muted. Correct input function selector button is pressed.	
No sound is heard: (Festival 60 only)	Amplifier is plugged in. Ribbon cable is attached to amplifier.	
No sound is heard: (Festival 80 only)	Subwoofer is plugged in. Subwoofer is connected to the Controller.	
Dolby Surround does not work on center and surround channels: (Festival 80 only)	Correct surround mode is selected. Center and/or surround speakers are selected. Surround and center levels are turned up. You are using a surround encoded source.	
Selecting a Video source produces sound but no picture:	"To TV" output is connected to the video input on your TVs.	
The TV picture does not match the sound:	Video sources are properly connected to receiver. Video/antenna Switch on TV is set to Video.	
No output from the left or right channels: (Festival 60 only)	Wires to that speaker are not disconnected/damaged. Balance is centered.	
No output from one or more channels: (Festival 80 only)	Wires to that speaker are not disconnected/damaged Test tone levels for that speaker are audible.	
No center channel output:	Center channel speaker is selected. Phantom mode is not active. Unit is in the Pro Logic mode. Center channel level is properly adjusted. Center speaker is connected.	
Tuner sound has a large amount of interference, or the "Stereo" display is not illuminated, or Tuner sound distorts and/or volume level is too low:	The antenna is properly connected. The antenna is properly located. The antenna is set in the proper direction. The antenna is adequate to receive the desired station.	
Tuner is intermittent or continuously buzzing or hissing:	The unit is away from fluorescent lights, motors and other electrical appliances.	
Festival does not respond to remote control:	Remote sensor on front of Festival is unobstructed. Remote is pointed directly at the remote sensor. Remote batteries are still good.	

Specifications

	Festival 60	Festival 80
Power Amplifier	25	25
Power Output: Stereo: 8 ohms (20 – 20kHz, <0.09%THD) Surround: Left/Right/Center @ 8 ohms (20 – 20kHz, <0.09%THD) Surround: Rear Channels: 4 ohms (20 – 20kHz, <0.09%THD) High-Current Capability: Stereo & Main Channel Amps Power Bandwidth @ 8 Ohms Frequency Response (1W +0/–3dB) Rise Time Slew Rate S/N Ratio (Reference, Rated Power, A-Wtd.) Subwoofer Output Subwoofer Output Subwoofer Amplifier Power @ 4 ohms (20 – 120Hz, <0.09%THD) Subwoofer Amplifier High-Current Capability Dimensions (H x W x D) Weight	35 watts N/A N/A +/-35 amps 10Hz - 60kHz 0.2Hz - 140kHz 0.8µSec 105V/µSec 112dB 850mV N/A N/A 4 x 10-1/4 x 11-3/16"/102 x 260 x 284mm 11.9lbs/5.4kg	35 watts 35 watts 20 watts +/-35 amps 10Hz - 60KHz 0.2Hz - 140KHz 0.8µSec 105V/µSec 112dB N/A 95 watts +/- 60 amps N/A N/A
FM Tuner		
Tuning Range (100kHz – step) Usable Sensitivity, Stereo, A-Wtd. (S/N 30dB) 50dB Quieting Sensitive, Stereo, A-Wtd. (97.9MHz) S/N Ratio 65dBf, Mono/Stereo, A-Wtd. (97.9MHz) Capture Ratio Selectivity, Adjacent Channel, +/- 400kHz (97.9MHz) IF Rejection (97.9MHz) THD 1kHz, 65dBf	87.5MHz – 108MHz 18dBf 42dBf 70dB/65dB 1.6dB 55dB 120dB 0.30%	87.5MHz – 108MHz 18dBf 42dBf 70dB/65dB 1.6dB 55dB 120dB 0.30%
AM Tuner		
Tuning Range (10kHz – step) Sensitivity (S/N 20dB) 600kHz/1000kHz, 1400kHz Alternate Channel Selectivity (6dB S/N Sensitivity), +/–10kHz Image Rejection (6dB S/N Sensitivity) IF Rejection (6dB S/N Sensitivity)	530kHz – 1710kHz 900μV/m / 630μV/m 45dB 40dB 60dB	530kHz – 1710kHz 900μV/m / 630μV/m 45dB 40dB 60dB
7-Disc CD Changer		
System D/A Converter	Compact Disc I 4X oversampling filter, 3D Bitstream™, 5	
Error Correction Frequency Response THD Dynamic Range S/N Ratio Channel Separation Dimensions (H x W x D) Weight	CIRC System 20Hz - 20kHz, +/-3dB 0.03% 90dB 82dB 70dB 4 x 10-1/4 x 11-3/16"/102 x 260 x 284mm 7.1lbs/3.2kg	CIRC System 20Hz - 20kHz, +/-3dB 0.03% 90dB 82dB 70dB 4 x 10-1/4 x 11-3/16"/102 x 260 x 284mm 7.1lbs/3.2kg
Controller		
Input Sensitivity/Impedance Frequency Response (1W +1/-3dB) S/N Ratio (Reference, Rated Power, A-Wtd.) Tone Control Range (+/-) Bass 50Hz/Treble 10kHz Surround Modes Dimensions (H x W x D) Weight	150mV/100kohm 7Hz – 100kHz 100dB +/-10dB N/A 5-7/16 x 10-1/4 x 11-3/16"/138 x 260 x 284mm 7.3lbs/3.3kg	150mV/100kohm 7Hz – 100kHz 100dB +/-10dB Pro Logic®, Movie, Music, Hall 5-7/16 x 10-1/4 x 11-3/16"/138 x 260 x 284mm 7.3lbs/3.3kg
Subwoofer/Amplifier		
Driver Frequency Response +/-3dB Sensitivity 2.83VRMS @ 1m Impedance Dimensions (H x W x D) Weight	N/A N/A N/A N/A N/A N/A	Dual 8" 32Hz – 150Hz 87dB 4 ohms nominal 15-3/4 x 18 x 15-5/8"/400 x 457 x 397mm 56lbs/25.5kg
Speakers		
High-Frequency Driver Midrange/Bass Driver Crossover Frequency Response +/-3dB Sensitivity 2.83VRMS @ 1m Impedance Dimensions (H x W x D) Weight	1" Flare-Dome Tweeter 6" Co-polymer 4kHz 50Hz – 20kHz 87dB 8 ohms nominal 10-1/8 x 6-7/8 x 13-1/2"/257 x 175 x 343mm 11lbs/5kg	1" Flare-Dome Tweeter 3-1/2" Laminated Fiber 150Hz, 4kHz 150Hz – 20kHz 87dB 8 ohms nominal 3-3/4 x 4-1/8 x 6"/95 x 105 x 152mm 0.5lbs/0.23kg

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