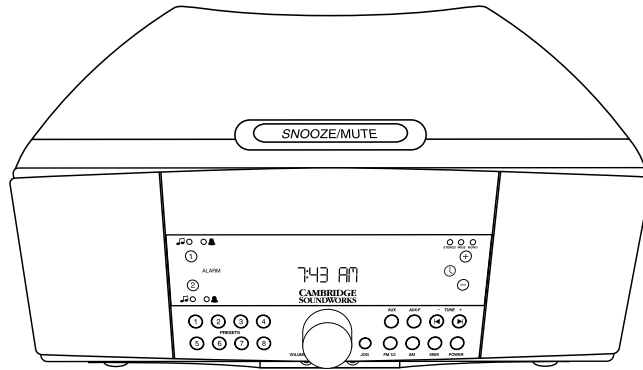


SEE PAGES 8-9 FOR QUICK REFERENCE GUIDE



SoundWorks Radio 730

User Manual

**CAMBRIDGE
SOUNDWORKS®**



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute 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 this product

WARNING

DO NOT OPEN

TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SPEAKER'S COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

AVISIQUE

POUR EVITER TOUT RISQUE DE CHOC ELECTRIQUE, NE PAS DEMONTER LE COUVERCLE DU HAUT PARLEUR. AUCUN ENTRETIEN DES PIECES INTERIEURES N'EST REQUIS. TOUT SERVICE D'ENTRETIEN NE DOIT ETRE EFFECTUE QUE PAR DU PERSONNEL D'ENTRETIEN QUALIFIE.

READ AND HEED IMPORTANT SAFETY WARNING ON BOTTOM OF PRODUCT ENCLOSURE

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, INSERT FULLY.

ATTENTION:

POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

IMPORTANT NOTICE:

THE SERIAL NUMBER FOR THE PRODUCT IS LOCATED ON THE BASE. PLEASE WRITE THIS NUMBER DOWN AND KEEP IT IN A SECURE AREA. THIS IS FOR YOUR SECURITY.

INTRODUCTION

The people at Cambridge SoundWorks hope you enjoy your new high-performance SoundWorks Radio 730. Your new radio has great FM stereo sound and plays useful AM band stations. It stores 16 FM station presets along with 8 AM station presets. The large 32-character display and full-function remote makes radio operation easy from across the room.

The SoundWorks Radio 730 will also display Radio Data Service (RDS) FM station text.

An automatic dimmer function reduces display brightness in dark rooms while maintaining good legibility in bright light. An internal long-life power cell maintains the current time during a power outage. By inserting a 9V battery (not supplied), a user ensures that a previously activated wakeup function will work even during a power outage.

A front auxiliary input lets you quickly connect a portable audio source (MP3/CD/cassette player). The rear auxiliary input lets you connect a stationary audio source like a component CD player. A Record Output lets you send the current audio program signal to other devices.

A convenient JOG button lets you select from a variety of secondary adjustments (Bass and Treble, Snooze time and Text display modes, among others).

GETTING STARTED

Remove the SoundWorks Radio (See **A**) from its protective polybag and place it in your preferred location. The Radio's Tone alarm and Subwoofer outputs will be reduced if the Radio is placed on a compliant, soft surface.

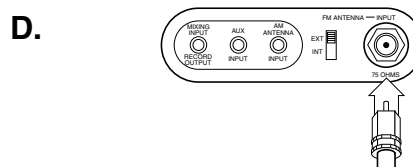
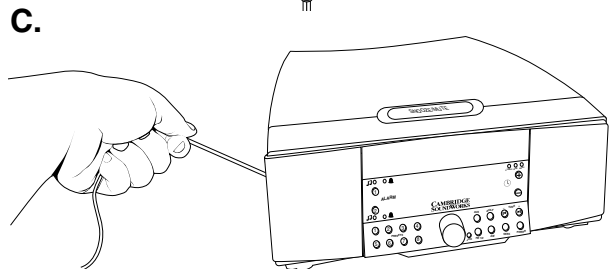
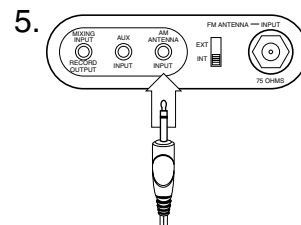
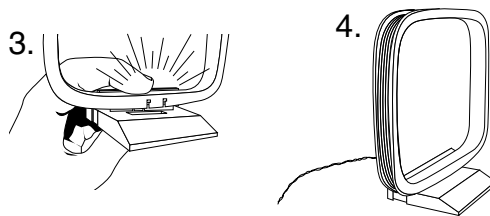
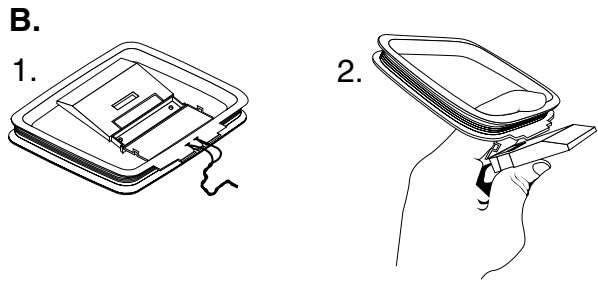
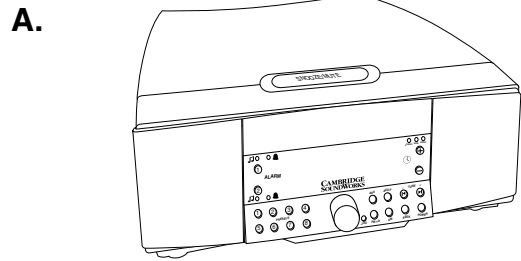
Connect the AM antenna (See **B**): To prepare the antenna (1), fold the base (2) and snap it into place (3). Position the AM antenna (4) in any out-of-the-way position, preferably at least 8 inches apart from the Radio. Insert the AM Antenna's miniplug into the Radio's rear panel minijack marked AM ANTENNA (5).

Rotate the AM antenna to achieve the best signal for individual AM stations.

Connect the power cord by inserting the SoundWorks Radio's AC plug into a convenient outlet.

The AC cord is also the Radio's primary FM antenna. It will function better if at least 50% or more of it's length follows a straight line (See **C**). Check to make sure the FM antenna switch on the rear panel of the Radio enclosure is in the "INTERNAL" position (factory default).

If desired, the external FM antenna can be connected and used instead of the internal antenna (See **D**). Connect the external antenna to the "F"-type connector of the rear panel. Set the FM antenna switch to EXT (external) .



GETTING STARTED

Setting the Clock

You can adjust the current time whether the Radio is in Standby or On. Just press the time adjust buttons (by the ⌚ symbol) on the right hand side of the display (See **E**).

Note: The current time can only be adjusted from the Radio front panel. The Remote Control can adjust the wakeup time, but not the current time.

Tone Alarm Backup Battery

For 48 hours of alarm function backup during an AC power failure, obtain and install a 9 volt battery in the radio compartment. Release the battery cover, attach the battery and restore the cover.

If either alarm is set to activate (music or tone wake-up) and the power fails, the battery sounds the *tone* alarm at the appropriate time. Press Power on the radio to silence the alarm. Remove the battery if the unit is unplugged for more than 24 hours. Replace the battery after 30 minutes of emergency tone alarm operation (See **F**).

Standby and On

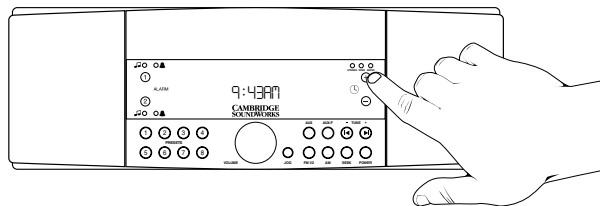
Pushing the POWER button chooses Standby or On operation (See **G**).

The Power button can also be used to engage SLEEP delay operation (See page 8).

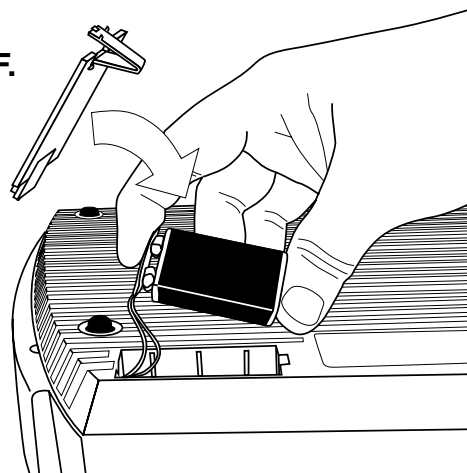
Selecting The Radio Bands

- 1) Pressing the FM 1/2 button selects the FM radio band and one of two banks of FM station presets. You can store eight FM stations in the PRESET bank FM1 and eight different FM stations in PRESET bank FM2 (See **H**).
- 2) If you switch from another mode to FM, the Radio will return to the last PRESET bank used (from Standby, from AM operation, or when switching from an AUX input). Pressing the FM 1/2 button during FM operation selects the other preset bank.
- 3) Pressing the AM button selects the AM radio band. The AM band has one PRESET bank.

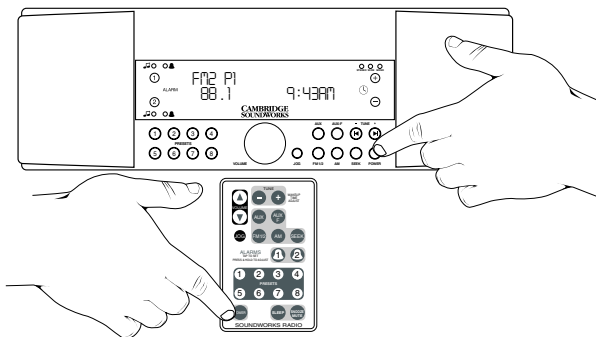
E.



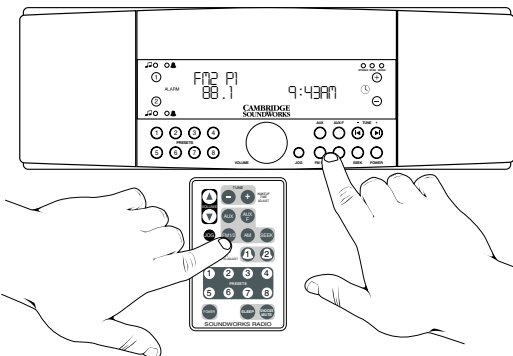
F.



G.



H.



GETTING STARTED

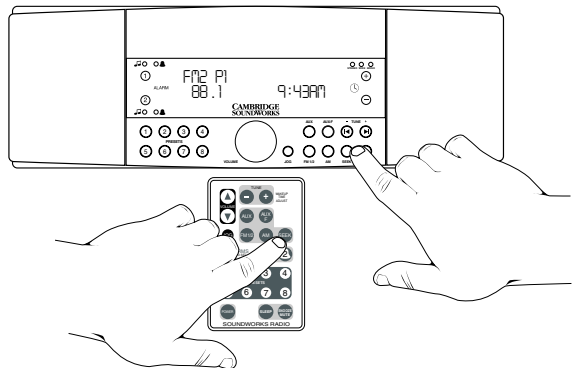
Tuning Stations

- **Autotune Method 1:** Press the SEEK button (remote or radio face) to automatically find the next listenable station of higher frequency (See **I**).
- **Autotune Method 2:** Press and hold either TUNE button to seek the next listenable station (the ◀ button seeks down, the ▶ button seeks up). (See **J**).
- **Manual Tune:** To find a specific frequency, tap the appropriate TUNE button (◀ or ▶).

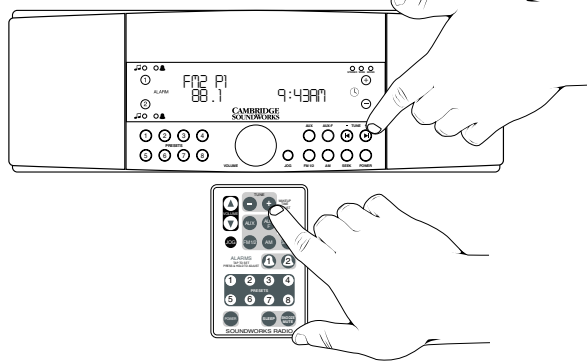
Storing Stations in PRESET banks

Press the FM 1/2 button to choose the desired PRESET bank (FM1 or FM2) or choose the AM radio band. Tune to the desired station. Press and hold the desired preset button until a short tone is heard. The station is stored (See **K**).

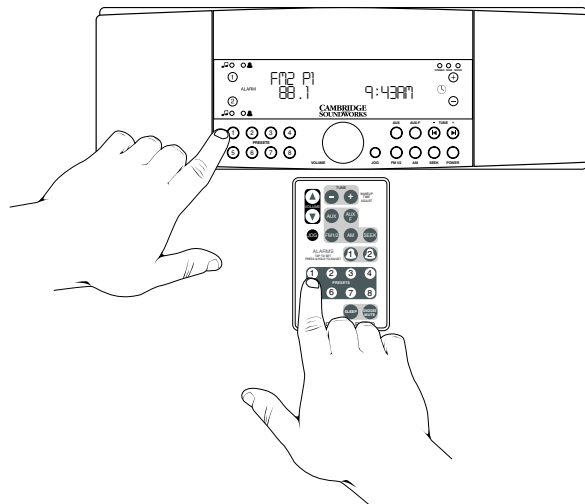
I.



J.



K.



CONNECTING AN EXTERNAL AUDIO SOURCE

Listening To External Sound sources

If you have an external audio source you always want to keep connected to the SoundWorks Radio, like a desktop cassette player, connect it to the AUX input on the rear panel (See **L**). Press the AUX button on the front panel or remote control to select this input (See **M**).

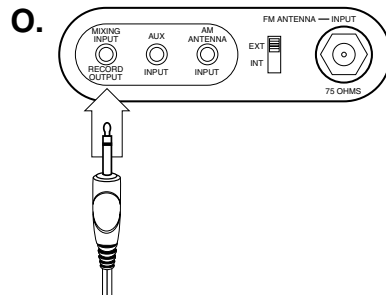
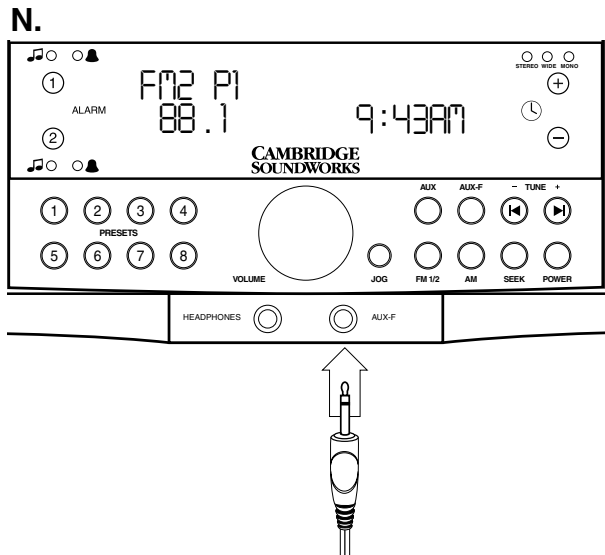
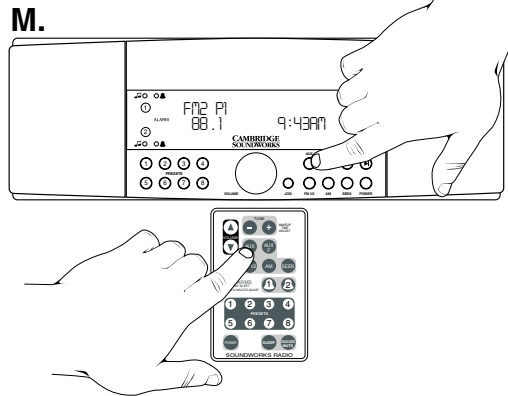
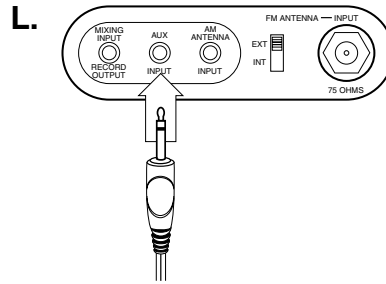
If you have an external audio program source you occasionally want to connect to the Radio, like a portable MP3 player, connect it to the AUX-F input on the front panel (See **N**). The AUX-F button on the front panel or remote control selects this input.

Mixing Input/Record Output

You may want to mix the sound from an audio program source (computer audio output, for instance) with the other Radio audio sources (FM, AM, Aux).

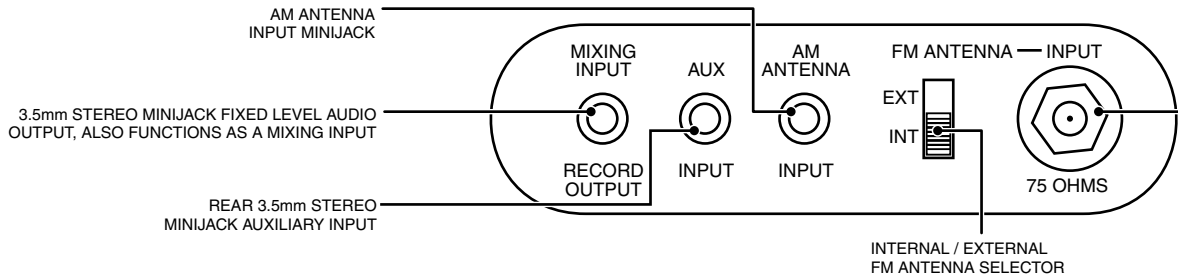
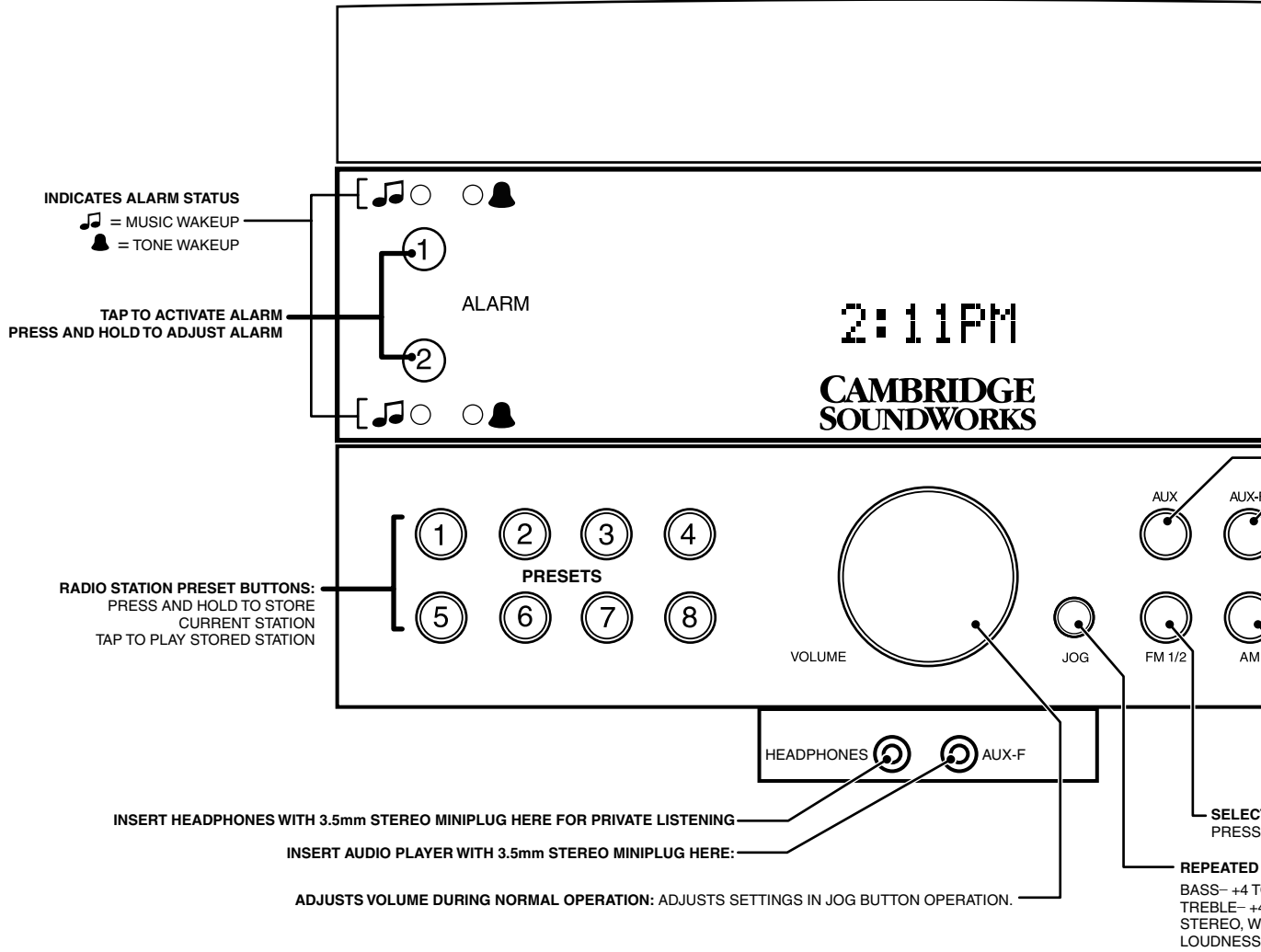
Connect this source to the MIXING INPUT on the rear panel (See **O**). The program source will be mixed with the currently selected Radio program source.

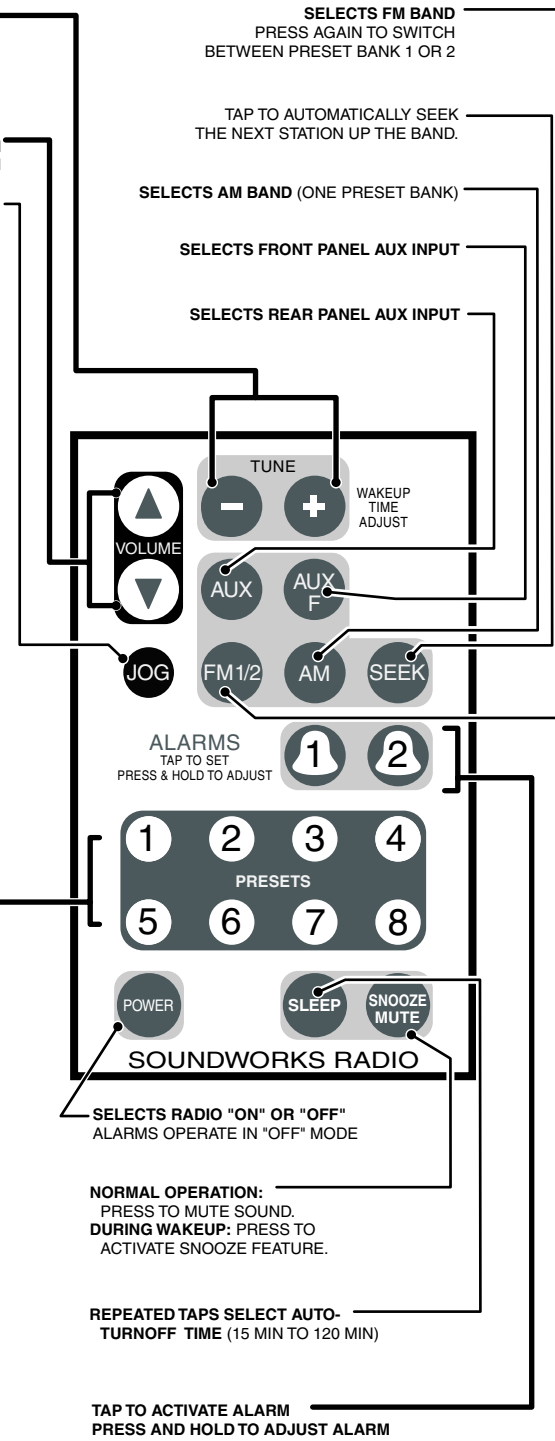
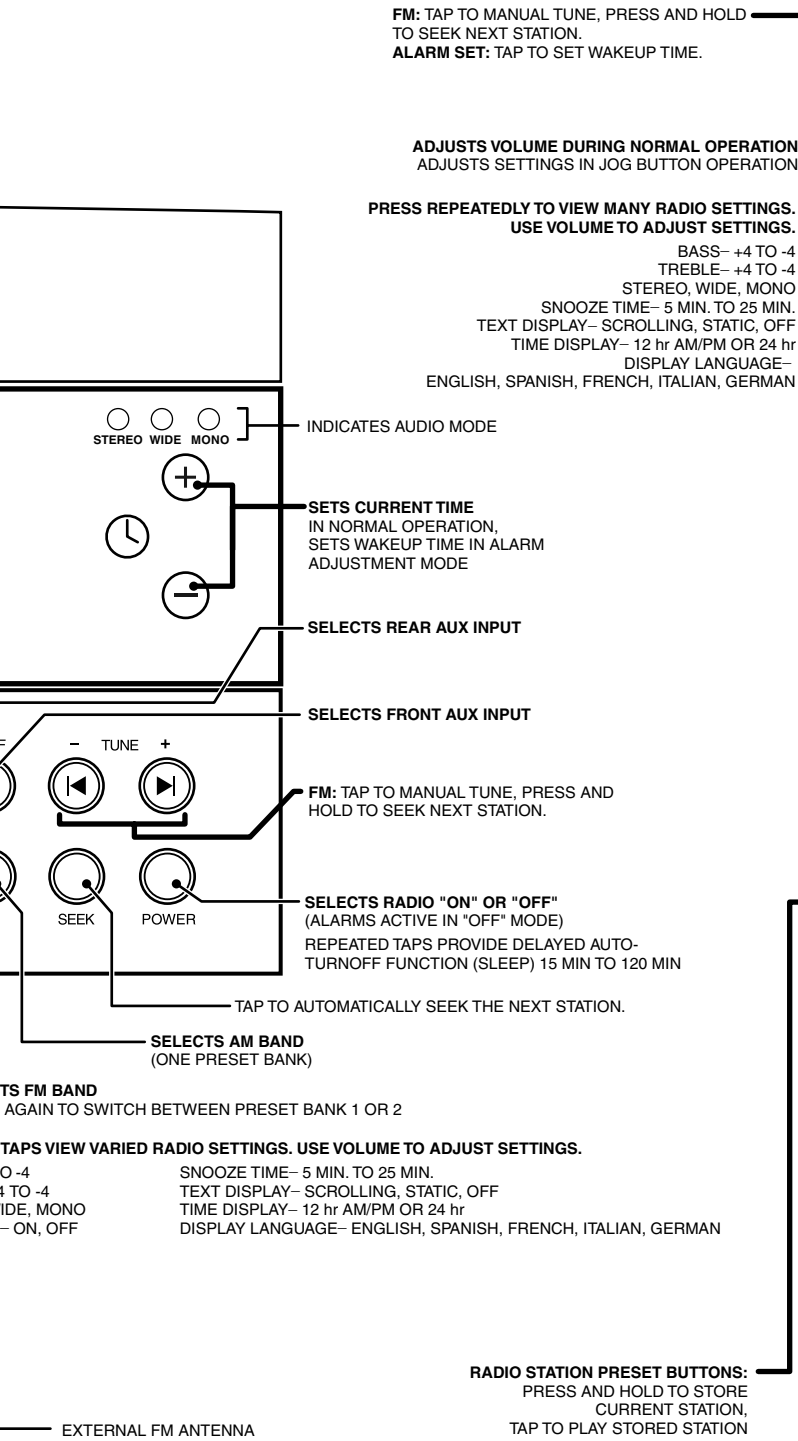
The audio source connected to the Mixing Input must have a level control if you wish to adjust the balance between the Radio program source and the Mixing Input audio source.



QUICK REFERENCE GUIDE

NORMAL OPERATION: PRESS TO MUTE SOUND.
DURING WAKEUP: PRESS TO TO ACTIVATE SNOOZE FEATURE.





CONVENIENCE FEATURES

Mute

To mute the SoundWorks Radio: Press the SNOOZE/MUTE bar or the SNOOZE/MUTE button on the Remote Control (See **P**). Mute is cancelled if the Radio enters Standby.

Sleep Delay

To make the Radio automatically turn off after a specific period of time:

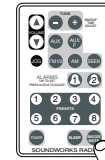
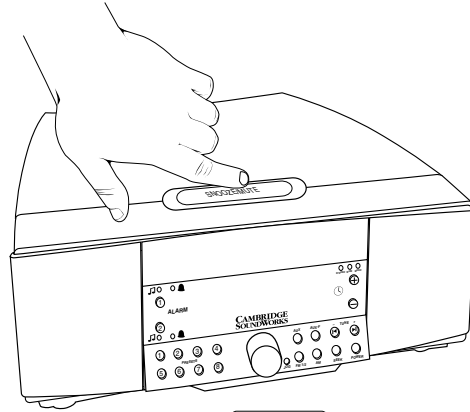
- Press the SLEEP button on the Remote Control until the desired amount of play time is reached (See **Q**).

OR

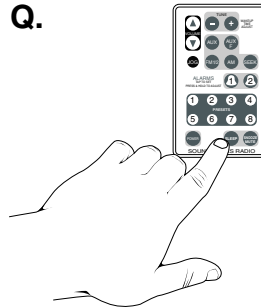
- With the Radio in Standby, rapidly tap the POWER button until the desired amount of play time is reached (See **R**).

Sleep delay is available for 15, 30, 45, 60, 90 and 120 minute lengths. Sleep delay is cancelled if the Radio enters Standby.

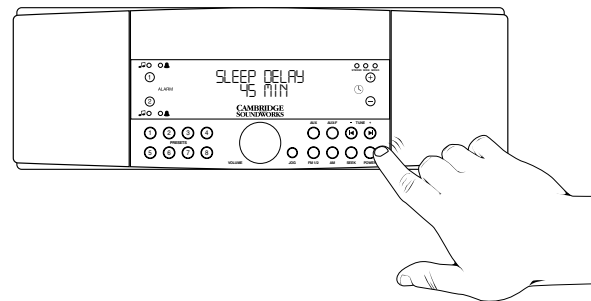
P.



Q.




R.



JOG FUNCTIONS

JOG button operation:

Press the JOG button on the Radio or on the remote control to access JOG functions (See **S**). Press the JOG button again to select additional JOG functions.

Use the VOLUME knob or the  buttons on the remote control to adjust settings of JOG functions. JOG operation is cancelled five seconds after the last JOG or VOLUME adjustment. Pressing any other Radio function also cancels JOG operation.

JOG functions

Bass: Bass output can be adjusted in four steps up or down.

Treble: Treble output can be adjusted in four steps up or down.

Stereo/Wide/Mono: Adjust continually cycles through STEREO, WIDE and MONO modes. MONO operation is cancelled when standby is entered. WIDE mode makes the Radio seem like a much broader sound source with many stereo programs.

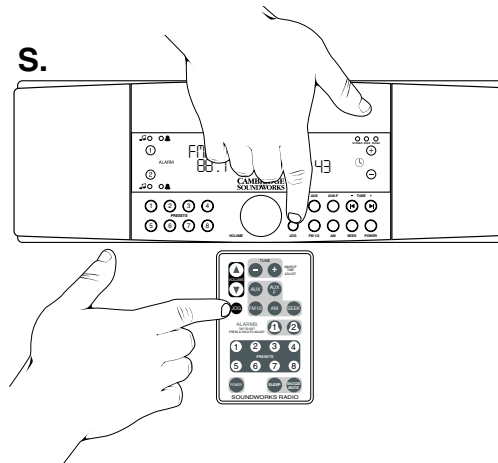
Loudness: With LOUDNESS engaged, the Radio will boost the bass output at low Volume settings.

Snooze Time: Adjustable from 5 minutes to 25 minutes

Text Display Mode: During FM operation, choose scrolling RDS text, static RDS text (16 character) or no RDS text display.

Time Display Mode: Choose 12 hour AM/PM time (US standard) or 24 hour time (International standard)

Display Language: Choose English, Spanish, French, Italian or German



BASS Adjustment display



TREBLE Adjustment display



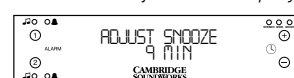
STEREO/WIDE/MONO Adjustment display



LOUDNESS Adjustment display



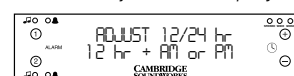
SNOOZE Adjustment display



TEXT SCROLL Adjustment display



Time Adjustment display



Language Adjustment display



WAKEUP FUNCTIONS

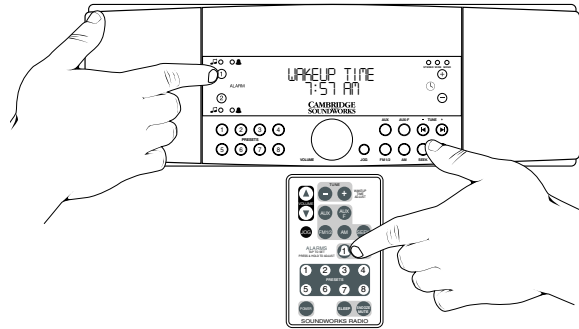
Adjusting The Wakeup Settings

During Wakeup Settings adjustment, you select Wakeup time and the Music Wakeup Source and Volume. The choice of Tone or Music Wakeup is selected when the Alarm is activated.

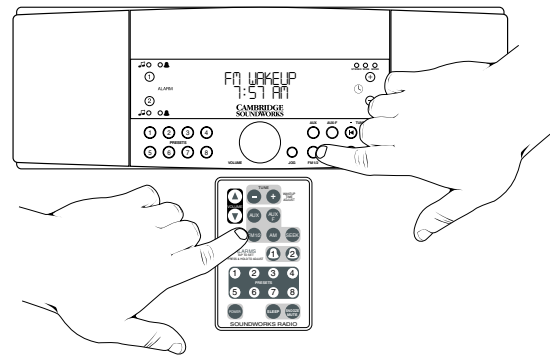
Notes: Store any radio station you wish to use as a Wakeup station in a Preset location.

- 1) Press and hold either the Alarm 1 or the Alarm 2 button until a short tone is heard (about 1.5 seconds). The Radio enters Wakeup Adjustment mode. Wakeup Adjustment persists for about 15 seconds if no button is pressed. You always have five seconds between adjustments.
- 2) You can press FM 1/2 or AM for a music Wakeup. After choosing a radio preset bank (FM1, FM2, or AM), choose the desired station by pressing its PRESET button. The AUX inputs are not available for Wakeup.
- 3) Adjust the Wakeup volume using the VOLUME adjustment on the remote or front panel.

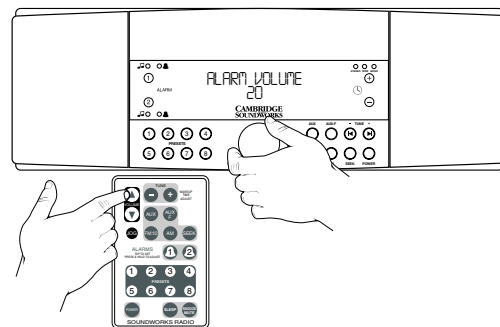
1. MUSIC WAKEUP Adjustment, First screen



2. MUSIC WAKEUP Adjustment, First screen



3. WAKEUP Volume adjustment

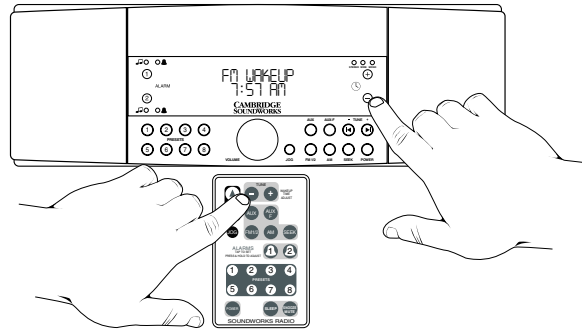


WAKEUP FUNCTIONS

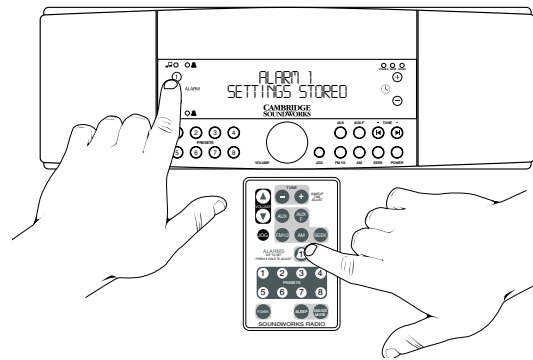
Adjusting The Wakeup Settings

- 4) Adjust the Wakeup time by using the Time adjustment on the front panel of the TUNE adjustment or the remote control.
- 5) End the Wakeup Adjustment session by pressing the same Alarm button again, or just wait about ten seconds. The Wakeup Adjustment session will automatically end. Either way, the Radio will store your new settings.

4. WAKEUP Time adjustment



5. WAKEUP Setting Stored display



WAKEUP FUNCTIONS

Activating the Wakeup Feature

While in Standby or normal operation, tap either Alarm button to cycle between

- 6) Music Wakeup
- 7) Tone Wakeup
- 8) No Wakeup

A Music Wakeup indicator (🎵) or a Tone Wakeup indicator (🔔) lights to show activation.

Music Wakeup only functions if the Radio remains in Standby mode.

Tone Wakeup operates whenever it is activated. You can use Tone Wakeup as a reminder function during the day while using the Radio normally.

Silencing a Wakeup

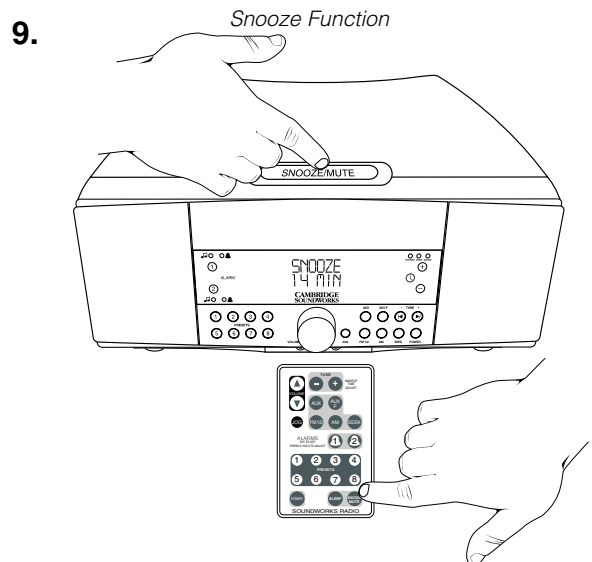
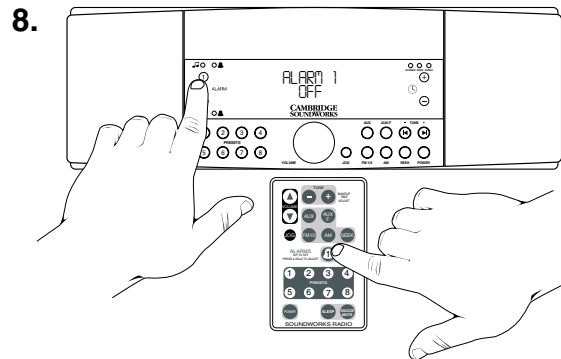
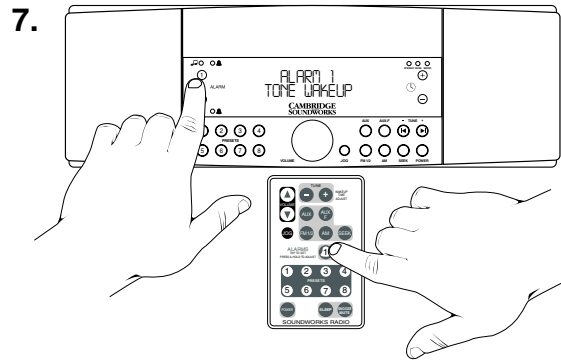
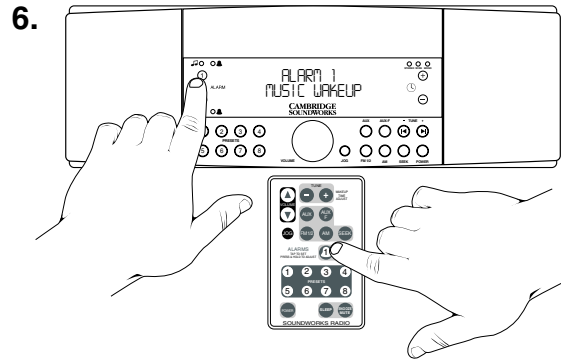
To cancel the Wakeup alarm for the day, but keep it activated, tap the Power button on the front panel or the remote control. The Wakeup settings will remain active and operate the next day.

To silence an alarm and deactivate it (cancel it from functioning the next day), press the appropriate Alarm button on the Radio face or the remote control.

Snooze Function

Tapping the SNOOZE/MUTE bar on the Radio or the SNOOZE MUTE button (9) on the remote will silence a Wakeup event for a pre-determined period of time (5 to 55 minutes).

Adjust the SNOOZE delay period by using the JOG function.



RADIO DATA SERVICE (RDS)

Some FM radio stations transmit Radio Data Service (RDS) text along with their programs. This text generally shows the current program or music titles and may include information about upcoming programs or music. The Radio will decode and display this text.

In the JOG menu, you can elect to display scrolling text, static text or defeat the text display.

RADIO DATA Service display



SPECIFICATIONS

Internal audio sources:

FM stereo tuner with display of Radio Data Service text from supporting FM stations.

AM tuner.

Inputs:

One rear panel AUX IN 3.5 mm stereo minijack

One rear panel MIXING INPUT (combined with REC OUT) 3.5 mm stereo minijack

One rear panel AM Antenna 3.5 mm stereo minijack
Antenna stereo mini plug wiring configuration
sleeve – no connection, tip and ring-wire loop antenna

One rear panel FM Antenna "F"-type jack, 75 ohms

One front panel AUX-F 3.5 mm stereo minijack

Outputs:

One rear panel REC OUT stereo minijack

One front panel Headphone 3.5 mm stereo minijack

Rear Panel Controls:

FM antenna Internal/External switch

Dimensions:

	English	Metric
Height:	4 15/16 inches	125 mm
Width:	14 inches	356 mm
Depth:	9 7/8 inches	248 mm
Depth (with knob and AC cord):	10 3/8 inches	258 mm
Weight:	11 lbs	5 kg