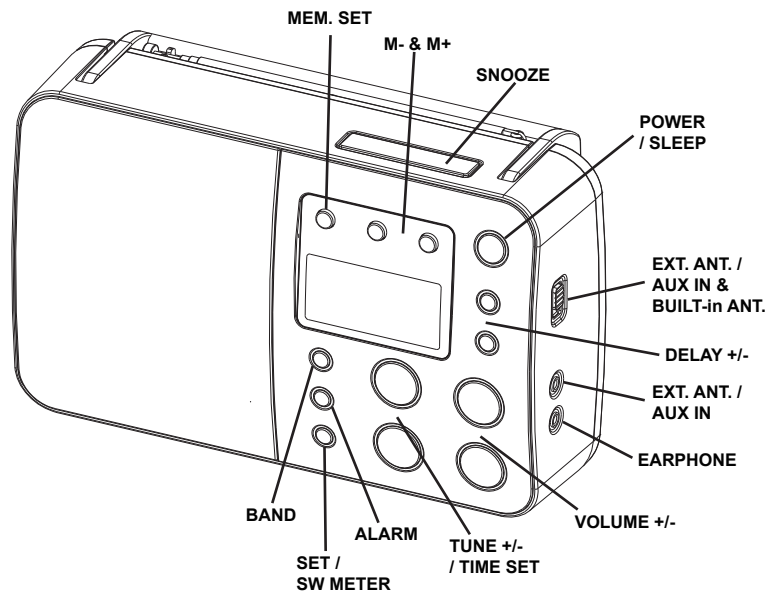


SR-404 IM V.1 front

SportSyncRadio SR-404 by SCANNER MASTER

AM/FM/SW Radio with Audio Delay
www.sportsyncradio.com

Operating Instructions



Printed in China

All about the Sportsync SR-404 Radio by Scanner Master

For the uses, benefits and background on the SportSyncRadio by Scanner Master, and how to best implement the delay feature, please see the reverse side of this instruction sheet.

SportSync SR-404 Features

- Audio delay of up to 60 seconds in half-second increments
- AM/FM/SW (Shortwave) with digital tuning
- 75 memories (25 each band)
- LCD display with backlight
- Clock and alarm
- Sleep and snooze
- Earphone jack
- Delayable audio input (AUX in)

Installing the Battery

The radio requires four D-size batteries (not supplied). Install the batteries with correct polarity and then close the lid. You may also use the Sportsync SR-404 AC-DC adapter of 6volts-1amp, not supplied. (Order it and other accessories through www.sportsyncradio.com.)

Setting the Clock

- 1 With the radio off, press SET until the hour digit on the display flashes. Then press TUNE +/- to set the hour. Press SET again to confirm and to continue

to set the minute with TUNE +/- then press SET again to confirm. A beep will sound to indicate the new time is set.

Operating the Radio

- 1 Press POWER to turn the radio on and adjust the VOLUME +/-.
- 2 Press BAND to select from FM/AM/SW (shortwave) bands.
- 3 Press TUNE +/- one short press at a time to slowly tune up or down by frequency.
- 4 Press and hold the TUNE +/- for just over a second and the radio will begin tuning up (or down) automatically until it finds an active strong frequency. If you do not release the TUNE button the radio will continue to scroll up or down through the band.

Improving Reception (if necessary)

- 1 FM/SW (Shortwave): Extend the telescoping antenna fully.
- 2 AM: Rotate the radio to find optimal reception. An AM antenna is built into

the radio.

- 3 Do not operate over metal surface as this may cause interference. Florescent lighting, computers and other electrical devices may also cause interference to radio at times.

Sleep Function

- 1 With the radio off, press POWER for over two seconds until the display flashes "90" which indicates 90 minutes.
- 2 While "90" is flashing, press POWER again to change to 60, 30 or 15 minutes.
- 3 Once you've selected the time interval desired, wait a moment and the radio will turn on and will remain on until it turns off automatically after the chosen period of time. (The Zzz icon will flash during the countdown period.)

Delaying the Audio

In FM/AM/SW/AUX-in mode you can delay the audio up to 60 seconds in half-second increments.

- 1 Tune to the desired station.
- 2 Press DELAY +/- to increase or decrease the delay length in half-second increments up to 60 seconds.
 - If you press BAND, the delay time will be reset to zero seconds. Power ON/OFF will also reset the delay time to zero.
 - If you press TUNE +/-, the delay time is also reset to zero so the new

frequency/station that you tune to will be immediately heard. The same is true if you select one of the stations in memory.

- 3 It's rare but sometimes TV broadcasts run ahead of radio broadcasts. (This is a decision the broadcasters make sometimes that is beyond our control.) If this is the case you have to delay your TV broadcast with a DVR for a very short amount of time to sync it to the radio.
- 4 In extremely rare cases the delay required may be greater than 60 seconds. 60 however is the limit of the unit.

My Favorite Stations

In FM/AM/SW mode you can manually store particular frequencies as favorites.

- 1 Tune up or down to a desired station. Press MEM. SET and you will see the memory channel number at the top right of the display. Use the M+/M- buttons to scroll up or down to select the memory location you wish for this station. Then press MEM. SET again to store it. (If you do not press MEM.SET again within four seconds the storing action will cancel.)
- 2 To select your stored favorite stations, simply press M+/M- to scroll through the channels until you reach your desired station.

Auto-Store All Stations

In FM/AM/SW mode the radio can

auto-scan and store up to 25 stations. (Previously saved stations will be erased!)

- 1 In FM/AM/SW mode, press MEM.SET for five seconds when two beeps will sound. The radio will begin scanning and storing in the selected band.
- 2 You can stop the auto-store process by pressing POWER or TUNE+/-.

Setting and Operating the Alarm

- 1 With the radio off, press ALARM. The alarm icon will appear in the display along with the preset alarm time.
- 2 Press SET for over one second. The hour digit of the alarm time will flash. Press TIME SET +/- (TUNE +/-) to set the desired alarm hour, press SET to confirm and continue to the minute digit. Notice the PM icon on the bottom left of the display. If it does not appear then the radio is set to AM (morning).

- 3 Once the minute is set you can also choose whether to wake up to the radio or to a buzzer. While the alarm icon is flashing press the TUNE +/- buttons to switch between the two. Notice the music symbol added to the alarm icon indicating the unit is set to wake on radio.
- 4 Press SET once more to confirm all changes and a BEEP tone will sound to indicate confirmation.

- The alarm time will not be altered if you haven't pressed SET to confirm the process.
- The alarm will come on at the preset time and automatically turn off after 60 minutes.
- If the alarm is set to radio, the unit will turn on to the last station (AM/FM/SW) that you had selected. If the last selection was in AUX-in mode, FM will be used for the alarm.
- If you are using an earphone, remove it after setting your alarm.
- To deactivate the alarm, simply press ALARM when the radio is off and the alarm icon will disappear.

- 5 When the alarm comes on, press POWER to shut it off. The alarm will come on at the same time each day if you have not used the ALARM button to disable the alarm.
- 6 You can also press SNOOZE (large button on the top of the radio) to shut off the alarm temporarily. It will come on again after ten minutes.
 - If you are listening to AM/FM/SW when an alarm preset time comes on, the buzzer will sound no matter whether the alarm is set to buzzer or radio.

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Audio-In (AUX-in)

The radio unit can also be used as a speaker for 3rd party stereo or other music or sports broadcast receiver. It can also be used to delay the audio it receives from such a device.

- 1 Turn the side slide switch named AUX IN & BUILT-IN ANT. to the bottom position.
- 2 Press the BAND button to AUX mode.
- 3 Input external audio through a 3.5mm audio cable sold separately.

External Antenna Option

We offer a thin cable with a 3.5mm plug as an optional extended antenna for FM and Shortwave reception. To use:

- 1 Turn the side switch to top position (EXT. ANT.)
- 2 Insert a cable with a 3.5mm plug. The longer the cable, the better the FM and SW reception.
- 3 When the side switch is at the top position, the telescopic antenna is disconnected internally. Unless you are using an external antenna, the switch should be set at the bottom position.
- 4 To improve AM reception rotate the radio on its axis or move away from electrical equipment and/or nearer to a window.

Specifications

- Time display: 12 hour system
- Frequency range:
 - FM: 87.5 – 108 MHz
 - AM: 520 – 1710 kHz
 - SW: 3.7 - 22.05 MHz
- Speaker: Approx. 4.8 cm (1 9/10 inches) dia., 16 ohm
- Power output: 150 mW (at 10% harmonic distortion)

Power Requirements

DC Jack 6V 1A (Center Positive)
Four D cell batteries (not included)

Dimensions

Approx. 110 x 52 x 92 mm (w/h/d)
(6 1/3 x 2 x 3 2/3 inches) including projecting parts and controls

Weight

Approx. 322 g (11b 3 oz) not including batteries.

Design and specifications are subject to change without notice. Please refer to www.sportsyncradio.com for further information.

Using the SportSync

This fourth-generation SportSync Radio SR-404 is an AM/FM/SW (shortwave) digital portable radio with a very special feature - Audio Time Delay. This lets you watch sports events on TV with the sound down and listen to the radio broadcast on your SportSync synchronized with what you're watching on TV.

Many people prefer listening to the local radio announcers broadcast the action of their favorite pro or college sport, especially when national TV announcers

are covering a game. For years radio announcers told their listeners who were watching at home, work, a restaurant or pub that they should turn the sound down on their TV and turn up their radio. With the advent of the seven-second "bad language" delay and with the natural delays built in to satellite and cable TV that no longer was possible as it used to be in years past with over-the-air TV broadcasts. Unlike TV, radio broadcasts are generally all in "real-time" as so many people bring radios to sports events and also there's no need for cable and satellite uplinks and delays. Therefore, now, it's not possible to simply turn the TV sound down and the radio sound up because the radio broadcast audio will be well ahead of what you're watching on TV.

With SportSync you can delay the radio audio to match what you're seeing on TV and once again listen to the informative and colorful local radio play-by-play broadcasts of auto racing, Pro and College baseball, football, basketball, soccer, hockey and more.

Limitations: Very rarely, particularly with certain satellite broadcasts in HD, the delay will be longer than 60 seconds. This may vary from game to game. Also, occasionally, the radio broadcasts will be delayed longer than the TV broadcast. This is very unusual and it also might vary from game to game but in this case you can sync the TV and radio audio by using a DVR box to delay the TV signal slightly; the SR-404 may then be helpful in zeroing in on the exact right delay time. Scanner Master is not responsible for the delay lengths imposed by broadcasters.

SportSync Audio Delay Operation

It is easy for you to match the radio play-by-play call with what you're watching on TV. First tune in a radio station that's broadcasting the game. Often a team has a network of stations, so you may have a choice of several. Sports broadcasts may be on AM or FM depending on the team and city. Radio networks broadcast games on a variety of station throughout suburban and rural areas. Check your team web site for a list of stations.

Once you have the game on the radio, turn on your TV. Almost always the action on the TV will run a few to many seconds behind real time and what you are hearing on the radio. Now, to make the radio sound match the TV picture, all you have to do is move the audio tuning controls up or down to the right place. This control delays the radio sound by up to 60 seconds in half second increments. The number of seconds is shown in the top right corner of the radio display.

Generally you need to watch a play or two to match up the audio just right. In a football or basketball game you might hear

a referee's whistle on both the TV and radio which will help you zero the radio right into the TV. In baseball you may hear on the radio, "The windup and the pitch..." and you can adjust the slider to exactly match that moment to what you're seeing on the TV. When you've found the right delay setting then you can turn the sound down on your TV and you're set to enjoy the game!

Note that you probably won't have to make any more adjustments during that game. For the next game you watch the delay could be different, but you should be able to find the correct setting quickly. The 60 seconds of delay is almost always enough. But it is possible that technical factors affecting some game broadcasts can exceed this capability.

Instant Replay

Within its limits you can also use the SportSync Radio to create an Instant Replay of a great play or simply to repeat a few seconds of any audio you missed. Quickly move the delay control all the way up to get the maximum delay of replay. (Note that if you already have the delay slider set at six seconds, for example, you'll hear only ten seconds of replay by moving the control all the way to the top as soon as the play/radio call ends.)

Batteries (not included)

- a. Only use new batteries of the same brand.
- b. If you do not use the radio for a long time, take out the batteries to avoid leakage.

AC Adapter (sold separately)

See our web site www.sportsyncradio.com or call 1-800-722-6701 to order the AC adapter for this radio. (Note: The adapter does not charge batteries that are in the radio.)

Earphones (not included)

Earphones are available separately through sportsyncradio.com or elsewhere. Take care not to set the volume too high to protect your ears. Do not insert earphone buds deep into your ear.

Home Theatre Cable (sold separately)

The SportSync radio can produce excellent sound when played through a home audio system or even computer speakers. First, tune in the desired station and locate the SportSync radio for the best reception. Set the radio to a moderate volume. Plug one end of the optional connection cable (single 3.5mm plug) into the radio's earphone jack, and the two RCA plugs at the other end to your audio system. Typically this will be labeled as the auxiliary input. Follow the instructions of your amplifier manual to select that

input to play the SportSync audio through your speakers. Please note - Adjust the volume with your amplifier controls and avoid changing the SportSync volume control. If turned up too high the SportSync, like other audio devices, may produce distortion. Also, Sportsync audio is mono, not stereo but can be played through a stereo system.

Limited Warranty

Scanner Master warrants this Product in the U.S. against defects in material or workmanship for a period of 90 days, subject to the terms and conditions posted on the Sportsyncradio.com website. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, negligence, or modification, nor to misuse or improper operation or connection to an improper voltage supply or any other improper voltage applied. Repair or replacement as provided under this warranty is the exclusive remedy of the consumer. Scanner Master shall not be liable for any incidental or consequential damages for breach of any express or implied warranty on this product. Except to the extent prohibited by law, any implied warranty of merchantability or fitness for a particular purpose of this product is limited to the duration of this warranty, with exceptions that may apply under individual state law. A copy of a receipt for the radio is required for warranty service.

Warning: Modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol 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 a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.