NOTE:
This edition is missing the link to the IR codes........................................................................................................ 11/21/2016
Front Panel

1. **Power operation button (Φ)**  
   Used to turn the power of the MAIN ZONE (room where this unit is located) on/off (standby).

2. **Power indicator**  
   This is lit as follows according to the power status:  
   - Off: Power on  
   - Red: Normal standby  
   - Orange:  
     - When “HDMI Pass Through” is set to “On”  
     - When “HDMI Control” is set to “On”  
     - When “IP Control” is set to “Always On”

3. **INPUT SELECTOR knob**  
   This selects the input source.

4. **Display**  
   This displays various pieces of information.

5. **Remote control sensor**  
   This receives signals from the remote control unit.

6. **VOLUME knob**  
   This adjusts the volume level.

7. **Door**  
   When you are using buttons and/or connectors behind the door, press the bottom of the door to open it. Be careful not to catch your fingers when closing the door.
With The Door Open (1 of 2)

1. **PURE DIRECT button**
   This switches the sound mode between Direct, Pure Direct and Auto surround.
   - “Direct playback”
   - “Pure Direct playback”
   - “Auto surround playback”

2. **PURE DIRECT indicator**
   This lights when the Pure Direct mode is selected as the sound mode.

3. **M-DAX button**
   This switches the M-DAX mode.

4. **M-DAX indicator**
   This lights when the M-DAX mode is selected.

5. **ZONE2 ON/OFF button**
   This turns the power of ZONE2 (separate room) on/off.

6. **ZONE2 SOURCE button**
   This selects the input source for ZONE2.

7. **Tuner preset channel buttons**
   (TUNER PRESET CH +, –)
   These select preset broadcast stations.

8. **DIMMER button**
   Each press of this switches the brightness of the display.

9. **STATUS button**
   Each press of this switches the status information that is shown on the display.

10. **SOUND MODE button**
    Switching the sound mode.
Headphones jack (PHONES)
This is used to connect headphones. When the headphones are plugged into this jack, audio will no longer be output from the connected speakers or from the PRE OUT connectors.
NOTE:
To prevent hearing loss, do not raise the volume level excessively when using headphones.

SETUP MIC jack
This is used to connect the supplied Sound calibration microphone.

USB port
This is used to connect USB storages (such as USB memory devices) and the USB cable supplied with iPod.

AUX1-HDMI connector
This is used to connect HDMI output compatible devices such as video camcorders and game consoles.

AUX1 INPUT connectors
Used to connect analog output compatible devices such as video camcorders and game consoles.
Main Display (1 of 2)

Main display
The input source name, sound mode, setting values and other information are displayed here.

☐ Standard display

1. Volume indicator

2. Input source indicator
   The currently selected input source name is displayed. If the input source name has been changed using “Source Rename” in the menu, the input source name after the change is displayed.

☐ Tuner display
   These light up according to the reception conditions when the input source is set to “HD Radio”.

3. Lights up when the broadcast is properly tuned in.
4. In the FM mode, this lights up when receiving stereo broadcasts.

Buttons and Display exposed when the door is Open (2 of 2)  HOME  MAIN DISPLAY (2 of 2)
This lights when the sleep mode is selected.

This lights up when ZONE2 (separate room) power is turned on.
Bluetooth/wireless LAN antenna connectors
Used to connect the included external antennas for Bluetooth/wireless connectivity when connecting to a network via wireless LAN, or when connecting to a handheld device via Bluetooth.
• Place the external antennas for Bluetooth/wireless connectivity evenly over the screw terminal of rear.
• Turn clockwise until the antennas is fully connected.
• Rotate the antenna upwards for best reception.

DC OUT jacks
Used to connect devices equipped with the trigger function.

Digital audio connectors (DIGITAL AUDIO)
Used to connect devices equipped with digital audio connectors.
- “Connection 2 : TV equipped with an HDMI connector and incompatible with the ARC (Audio Return Channel)”
- “Connection 3 : TV equipped without an HDMI connector”
- “Connecting a set-top box (Satellite tuner/cable TV)”
- “Connecting a DVD player or Blu-ray Disc player”

RS-232C connector
Used to connect home automation controller devices fitted with RS-232C connectors. Consult the owner’s manual of the home automation controller for more information about serial control of this unit.
Perform the operation below beforehand.
1. Turn on the power of this unit.
2. Turn off the power of this unit from the external controller.
3. Check that the unit is in the standby mode.
5. **FLASHER IN jack**  
   Used when using a control BOX or other such control devices to control this unit.

6. **SIGNAL GND terminal**  
   Used to connect a ground wire for the turntable.

7. **REMOTE CONTROL jacks**  
   Used to connect infrared receivers/transmitters in order to operate this unit and external devices from a different room.

8. **Video connectors (VIDEO)**  
   Used to connect devices equipped with video connectors.  
   - “Connection 3: TV equipped without an HDMI connector”.
   - “Connecting a set-top box (Satellite tuner/cable TV)”  
   - “Connecting a DVD player or Blu-ray Disc player”.

9. **HDMI connectors**  
   Used to connect devices equipped with HDMI connectors.  
   - “Connection 1: TV equipped with an HDMI connector and compatible with the ARC (Audio Return Channel)”.
   - “Connection 2: TV equipped with an HDMI connector and incompatible with the ARC (Audio Return Channel)”.
   - “Connecting a set-top box (Satellite tuner/cable TV)”  
   - “Connecting a DVD player or Blu-ray Disc player”.

10. **NETWORK connector**  
    Used to connect to a LAN cable when connecting to a wired LAN network.

11. **AC inlet (AC IN)**  
    Used to connect the power cord.
**FM/AM antenna terminals (ANTENNA)**
Used to connect FM antennas and AM loop antennas.

**Analog audio connectors (AUDIO)**
Used to connect devices equipped with analog audio connectors.
- "Connecting a set-top box (Satellite tuner/cable TV)".
- "Connecting a DVD player or Blu-ray Disc player".
- "Connecting a turntable".

**7.1-channel input connectors (7.1CH IN)**
Used to connect to a device that has multi-channel audio output connectors.

**Speaker terminals (SPEAKERS)**
Used to connect speakers.

**PRE OUT connectors**
Used to connect a subwoofer with built-in amplifier or an external power amplifier.
- "Connecting the subwoofer".
- "Connection using an external amplifier (ZONE2).

**Component video connectors (COMPONENT VIDEO)**
Used to connect devices equipped with component video connectors.
- "Connection 3 : TV equipped without an HDMI connector".
- "Connecting a set-top box (Satellite tuner/cable TV)".
- "Connecting a DVD player or Blu-ray Disc player".

**NOTE:**
Do not touch the inner pins of the connectors on the rear panel. Electrostatic discharge may cause permanent damage to the unit.
ZONE SELECT buttons
These switch the zone (MAIN ZONE, ZONE2) that is operated through the remote control unit.
- “Playback in ZONE2”.
- “Menu operations”.

Input source select buttons
These selects the input source.
- “Selecting the input source”.
- “Playback in ZONE2”.

Channel/page search buttons (CH/PAGE▲▼)
These select radio stations registered to presets or switch pages.

MUTE button
This mutes the output audio.
- “Turning off the sound temporarily (Muting)”.
- “Turning off the sound temporarily (Muting) (ZONE2)”.

Information button (INFO)
This displays the status information on the TV screen.

Cursor buttons (▲▼◄►)
Remote Control (2 of 3)

**7 BACK button**
This returns to the previous screen.

**8 System buttons**
These perform playback related operations.
- **Tuning up / Tuning down buttons (TUNE +, –)**
  These select either FM broadcast or AM broadcast.

**9 SMART SELECT buttons.**
These call up settings registered to each button, such as input source, volume level and sound mode settings.

**10 SOUND MODE buttons**
These select the sound mode.

**11 Remote control signal transmitter**
This transmits signals from the remote control unit.

**12 SLEEP button**
This sets the sleep timer.
Remote Control (3 of 3)

13 **POWER button**
   - This turns the power on/off.
   - “Turning the power on”.
   - “Playback in ZONE2”.

14 **ECO Mode button**
   - This switches to ECO Mode.

15 **VOLUME buttons (▲▼)**
   - These adjust the volume level.
     - “Adjusting the volume”.
     - “Adjusting the volume (ZONE2)”.

16 **OPTION button**
   - This displays the option menu on the TV screen.

17 **ENTER button**
   - This determines the selection.

18 **SETUP button**
   - This displays the menu on the TV screen.
This warranty will be honored only in the **U.S.A.**

**Length of Non-Transferable Warranty**
This warranty on your Marantz product which is distributed and warranted by Marantz America Inc. remains in effect for the following periods from the date of the original consumer purchase from an AUTHORIZED DENON ELECTRONICS (USA), LLC DEALER.

<table>
<thead>
<tr>
<th>Warranty Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 year warranty for both Parts &amp; Labor, from the original purchase date</td>
</tr>
<tr>
<td>1 year for refurbished (B-Stock) units</td>
</tr>
</tbody>
</table>

MARANTZ AMERICA, Inc.
(a D&M Holdings Company)
100 Corporate Drive
Mahwah, NJ 07430-2041
(201) 762-6666
www.usa.Marantz.com

MARANTZ FACTORY SERVICE by PANURGY OEM
701 Ford Road (South Dock)
Rockaway, NJ 07866-2053
(973) 625-4056
(973) 625-9489 Fax

See the next page for more information about the Marantz limited warranty
What is covered and what is not covered

Except as specified below, this warranty covers parts and labor to correct all defects in materials and workmanship. The following are not covered by the warranty.

1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
   - Accident, acts of nature, misuse, abuse, neglect or unauthorized product modification.
   - Improper installation, removal or maintenance, or failure to follow instructions supplied with the product.
   - Repair or attempted repair by anyone not authorized by Marantz to repair the product.
   - Any shipment of the product (claims must be presented to the carrier).
   - Any cause other than a product defect.

2. Cleaning, initial set-up, check-ups with no defects found, or charges incurred for installation, removal or reinstallation of the product.

3. Any product on which the serial number has been defaced, modified or removed.


5. Accessories, including but not limited to, batteries, cables, mounting hardware and brackets, cleaning accessories, antenna and detachable power cords.

6. Warranty is void if purchase was made from anyone other than an authorized Marantz dealer.

Who may enforce the warranty?

This warranty may be enforced only by the original purchaser.

What we will pay for

We will pay for all labor and material expenses for items covered by the warranty. Payment of shipping charges is discussed in the next section of this warranty.

How you can get service

- If your unit needs service, contact Marantz customer service by calling 201-762-6666. We will advise you of the name and location of one or more authorized Marantz service stations from which service can be obtained. Please do not return your unit to the factory without prior authorization.
- You must pay any shipping charges if it is necessary to ship the product for service. However, if the necessary repairs are covered under warranty, we will pay the return shipping charges to any destination within the United States, its possessions or territories.
- Whenever warranty service is required, you must present the original dated sales receipt or other proof of date of purchase.

Limitations of implied warranties

All implied warranties, including warranties of merchantability and fitness for a particular purchase, are limited in duration to the length of this warranty.

Exclusion of damages

Marantz liability for any defective product is limited to repair or replacement of the product at Marantz's option. Marantz shall not be liable for damage to other products caused by any defects in Marantz products, damages based upon inconvenience or loss of use of the product, or any other damages, whether incidental, consequential, or otherwise.

How the law relates to the warranty

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
**Important:** Back up the settings before resetting the microprocessor. Most settings are reset to the factory default values after performing this procedure. This means that all the settings data will be completely lost if it’s not previously saved.

**Reset procedure:**
With the power off, press and hold the “M-DAX” button, “ZONE 2 SOURCE” button, and “POWER” button simultaneously on the AVR for a few seconds until “INITIALIZED” appears on the AVR’s display.

Resetting the micro is a procedure used to "reboot" the microprocessor to restore its normal operation when it temporarily freezes, locks up, or behaves erratically. Resetting the microprocessor, erases any saved settings you may have previously programmed into the unit Issues that can affect the performance of the microprocessor:

- A jolt of static electricity
- Current surge through an input

Before resetting the microprocessor;

- Check all connections carefully
- Check for setup errors
- Back up your settings. You may also want to write down your preferred settings for easier task of setting up the AVR after reset.

**Note:** The Web (Browser) Control feature can be used to back up your settings by saving a configuration file on your hard drive. For this feature, we recommend using one of the following web browsers: Internet Explorer 10 and above, Mozilla Firefox 24 and above, Google Chrome 29 and above, and Safari 5.x and above.

Note: If you had an installer setup your system, please first contact your installer to see if they can reset and then setup your system again as there may be specific EQ calibrations (Audyssey) that the installer will need to perform.
<table>
<thead>
<tr>
<th>Accessories</th>
<th>Price</th>
<th>Accessories</th>
<th>Price</th>
<th>Accessories</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Control (RC025SR)</td>
<td>$42.99</td>
<td>Sound Calibration Microphone (ACM1HB)</td>
<td>$31.99</td>
<td>Sound Calibration Microphone Stand</td>
<td>$16.82</td>
</tr>
<tr>
<td>AM Loop Antenna</td>
<td>$8.99</td>
<td>FM Indoor Antenna</td>
<td>$5.44</td>
<td>Power Cord)</td>
<td>$9.99</td>
</tr>
<tr>
<td>11601005400AS</td>
<td>$10.56</td>
<td>CD ROM Owner’s Manual</td>
<td></td>
<td>Safety Instructions</td>
<td></td>
</tr>
<tr>
<td>Notes on Radio</td>
<td></td>
<td>Quick Start Guide</td>
<td></td>
<td>Warranty (For North America Only)</td>
<td></td>
</tr>
</tbody>
</table>
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Dolby Atmos, DTS:X and Auro-3D Upgradeable

**Dolby Atmos and DTS:X surround** sound technologies dispense with channel-based coding in favor of object-based coding, giving the sound designer the ability to precisely place sounds anywhere in the 3-dimensional space. The SR6010, features the ability to connect a 5.1 surround sound speaker system and 4 additional overhead speakers (or 4 additional Dolby Atmos elevation speakers) for the ultimate home cinema experience. Thanks to the 11ch processing capability, you can just add an external 2-channel amplifier and even enjoy a thrilling 7.1.4 channel Dolby Atmos or DTS:X experience. Dolby Surround Upmixer and DTS Neural:X Upmixer are also in place to simulate 3D sound from standard formats.

**Auro-3D Upgrade**
By fully immersing the listener in a cocoon of life-like sound, Auro-3D puts you right in the middle of the action. Auro-3D provides an immersive surround sound experience thanks to dedicated height and overhead channels, in addition to the regular channels. The height information, captured in recording or created during the mixing process, is mixed into a standard 5.1 PCM stream that comes with a regular Blu-ray. Moreover, the Auro-3D engine recognizes mono, stereo, 5.1 surround or an Auro-encoded signal and transforms them into 3D audio. Once upgraded with the Auro-Codec decoder, the SR6010 is capable of decoding the original Auro-3D mix and playing back an Auro-3D 10.1 channel configuration (with external amplifier). **Auro-3D upgrade availability and pricing to be announced.**

**Firmware:**

This unit has the ability to update its firmware over the internet if so is selected by the user. When connected to a network via Wi-Fi or Ethernet, the AVR searches automatically for new updates and if any is found, a message appears on the screen for approx. 40 seconds with the options of updating the firmware: “NOW”, “LATER”, or “IGNORE”. Note: This feature of displaying the update message, can be disable from the “Setup” menu (Setup/General/Firmware/Notifications/Update or Upgrade/Off).

If the update process is interrupted, “Update retry” appears on the display and the unit tries repeatedly to continue the update until it either reconnects and picks up where it left off and continue the update process or times itself out after trying several times. When the latter occurs, one of the following messages will appear on the screen.

<table>
<thead>
<tr>
<th>Connection fail</th>
<th>Download fail</th>
<th>Updating fail</th>
<th>Server is busy</th>
<th>Login failed</th>
</tr>
</thead>
</table>

**To Check for Firmware Update from the Marantz server when the unit is connected to the internet via the Ethernet port (When Firmware Notification is turned off).**

Press “SETUP” and select “GENERAL” and then select “FIRMWARE” followed by “UPDATE” and finally, select “CHECK FOR UPDATE”.

**Note:** This will also check the time it will approximately take to complete the update.

**To check to see if an update or upgrade is available for your SR6010 and also to download the latest version of firmware, click on the following link:**


**Note:** A list of “Recent Updates/Upgrades is also available at this link”
## Specifications – Audio Section

### Power amplifier

<table>
<thead>
<tr>
<th>Component</th>
<th>Rated output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>110 W + 110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)</td>
</tr>
<tr>
<td></td>
<td>150 W + 150 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)</td>
</tr>
<tr>
<td>Center</td>
<td>110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)</td>
</tr>
<tr>
<td></td>
<td>150 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)</td>
</tr>
<tr>
<td>Surround</td>
<td>110 W + 110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)</td>
</tr>
<tr>
<td></td>
<td>150 W + 150 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)</td>
</tr>
<tr>
<td>Surround back / Front Wide/ Height1</td>
<td>110 W + 110 W (8 Ω/ohms, 20 Hz – 20 kHz with 0.08 % T.H.D.)</td>
</tr>
<tr>
<td></td>
<td>150 W + 150 W (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)</td>
</tr>
<tr>
<td>Output connector</td>
<td>4 – 16 Ω/ohms</td>
</tr>
</tbody>
</table>

### Analog

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input sensitivity/Input impedance</td>
<td>200 mV</td>
</tr>
<tr>
<td>Frequency response</td>
<td>10 Hz – 100 kHz — +1, −3 dB (Direct mode)</td>
</tr>
<tr>
<td>S/N</td>
<td>10 dB (IHF–A weighted, Direct mode)</td>
</tr>
<tr>
<td>Distortion</td>
<td>0.005 % (20 Hz – 20 kHz) (Direct mode)</td>
</tr>
<tr>
<td>Rated output</td>
<td>1.2 V</td>
</tr>
</tbody>
</table>

### Digital

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>D/A output Rated output</td>
<td>2 V (at 0 dB playback)</td>
</tr>
<tr>
<td>Total harmonic distortion</td>
<td>0.008 % (1 kHz, at 0 dB)</td>
</tr>
<tr>
<td>S/N ratio</td>
<td>102 dB</td>
</tr>
<tr>
<td>Dynamic range</td>
<td>100 dB</td>
</tr>
<tr>
<td>Digital input Format</td>
<td>Digital audio interface</td>
</tr>
</tbody>
</table>

### Phono equalizer

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input sensitivity</td>
<td>2.5 mV</td>
</tr>
<tr>
<td>RIAA deviation</td>
<td>±1 dB (20 Hz to 20 kHz)</td>
</tr>
<tr>
<td>S/N</td>
<td>74 dB (IHF–A)</td>
</tr>
<tr>
<td>Distortion factor</td>
<td>0.03 % (1 kHz, 3 V)</td>
</tr>
</tbody>
</table>
### Video section

<table>
<thead>
<tr>
<th>Standard video connectors</th>
<th>Input/output level and impedance</th>
<th>1 Vp-p, 75 Ω/ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Frequency response</td>
<td>5 Hz -10MHz, 0, -3dB</td>
</tr>
<tr>
<td>Color component video connector</td>
<td>Input/output level and impedance</td>
<td>Y signal 1 Vp-p, 75 Ω/ohms</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PB/CB signal 0.7 Vp-p, 75 Ω/ohms</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PR/CR signal 0.7 Vp-p, 75 Ω/ohms</td>
</tr>
<tr>
<td></td>
<td>Frequency response</td>
<td>5 Hz - 60MHz – 0, -3dB</td>
</tr>
</tbody>
</table>

### Tuner section

<table>
<thead>
<tr>
<th></th>
<th>FM</th>
<th>AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reception frequency range</td>
<td>87.50 MHz - 107.90 MHz</td>
<td>520 KHz - 1710 KHz</td>
</tr>
<tr>
<td>Effective sensitivity</td>
<td>1.2 µV (12.8 dBf)</td>
<td>18µV</td>
</tr>
<tr>
<td>50 dB sensitivity</td>
<td>Mono – 2.8 µV (20.2 dBf)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Mono</th>
<th>70 dB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stereo</td>
<td>67 dB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Mono</th>
<th>0.7 % (1KHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stereo</td>
<td>1.0 % (1KHz)</td>
</tr>
</tbody>
</table>

### Wireless LAN section

<table>
<thead>
<tr>
<th>Network type (wireless LAN standard)</th>
<th>Conforming to IEEE 802.11b/g/n (Wi-Fi® compliant) *1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Security</td>
<td>WEP 64 bit, WEP 128 bit</td>
</tr>
<tr>
<td></td>
<td>WPA/WPA2-PSK (AES)</td>
</tr>
<tr>
<td></td>
<td>WPA/WPA2-PSK (TKIP)</td>
</tr>
<tr>
<td>Radio frequency</td>
<td>2.4 GHz, 5GHz</td>
</tr>
<tr>
<td>No of Channels</td>
<td>1 - 11ch</td>
</tr>
</tbody>
</table>

*1 The Wi-fi® CERTIFIED Logo and the Wi-Fi CERTIFIED On-Product Logo are registered trademarks of the Wi-Fi Alliance.
**Bluetooth section**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications system</td>
<td>Bluetooth Version 2.1 + EDR (Enhanced Data Rate)</td>
</tr>
<tr>
<td>Transmission power</td>
<td>Maximum 2.5 mW (Class 2)</td>
</tr>
<tr>
<td>Maximum communication range</td>
<td>Approx. 98.4 ft/30 m in line of sight *2</td>
</tr>
<tr>
<td>Frequency band</td>
<td>2.4 GHz</td>
</tr>
<tr>
<td>Modulation scheme</td>
<td>FHSS (Frequency-Hopping Spread Spectrum)</td>
</tr>
<tr>
<td>Supported files</td>
<td>A2DP (Advanced Audio Distribution Profile) 1.2</td>
</tr>
<tr>
<td></td>
<td>AVRCP (Audio Video Remote Control Profile) 1.4</td>
</tr>
<tr>
<td>Corresponding codec</td>
<td>SBC, AAC</td>
</tr>
<tr>
<td>Transmission range (A2DP)</td>
<td>20 Hz ~ 20,000 Hz</td>
</tr>
</tbody>
</table>

*2 The actual communication range varies depending on the influence of such factors as obstructions between devices, electromagnetic waves from microwave ovens, static electricity, cordless phones, reception sensitivity, antenna performance, operating system, application software, etc.

**General section**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>AC 120V, 60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>650W</td>
</tr>
<tr>
<td>Power consumption in standby mode</td>
<td>0.2W</td>
</tr>
<tr>
<td>Power consumption in CEC standby mode</td>
<td>0.5W</td>
</tr>
<tr>
<td>Power consumption in network standby mode</td>
<td>2.7W</td>
</tr>
</tbody>
</table>

For purpose of improvement, specifications and design are subject to change without notice.
Specifications – Dimensions, Weight

Dimensions section (Unit: inch/mm)

Weight: 25 lbs 9 oz (11.6 kg)
Protection History Mode records and displays an event in which the THERMAL, CURRENT, ASO or DC protection was activated.

**Procedure to enter the “Protection History Display Mode”**.

1. Press and hold the “ZONE 2 SOURCE” and the “STATUS” buttons at the same time and press the “POWER” button to turn on the power.
2. The unit enters the “Diagnostic Mode/Service Path Check Mode” (Protection History Display, or RS232C Reset) and “SERVICE CHECK” is first displayed.
3. Press the “TUNER PRESET+/-” buttons to switch modes and press the “STATUS” button when “Protection History Display Mode” is displayed.
4. Press the “STATUS” button to display Protection History.
1. If no protections have occurred, “No Protect” is displayed.

2. If last protection was ASO, “ASO” is displayed.

   **Cause:** A short circuit occurred between the speaker terminals, or speakers with an impedance outside the rating were connected. If the power is turned on during this abnormality, protection is activated after around 6 seconds and the power is turned off.

3. If the last protection was DC, “DC” is displayed.

   **Cause:** DC output of the power amplifier is abnormal. If the power is turned on during this abnormality, protection is activated after around 6 seconds and the power is turned off.

4. If the last protection was THERMAL A, E or F, then “THERMAL A, E or F is displayed.

   **Cause:** Abnormal heat sink temperature. If the power is turned on during this abnormality, protection is activated after around 180 seconds and the power is turned off.

5. When the last protection incident was CURRENT protection, “CURRENT” is displayed.

   **Cause:** An over current flowed in power amp. If the power is turned on in the abnormal state, protection is activated after around 90 seconds and the power is turned off.

**Caution:** These protections may also be activated due to causes such as disconnection of connectors or operations around the microcomputer. After viewing the above protection history, press the button "STATUS" to return to the normal display.
Clearing the Protection History

If the unit is in “Protection History Display Mode”, just press and hold the “DIMMER” button for 3 seconds. Note: If you do not mind erasing your settings from this unit, you can also “Initialized/Micro Reset the unit to clear the Protection History from the unit’s memory.

If the unit is not in “Protection History Display Mode”, enter the “Protection History Display Mode”:

Hold down buttons “STATUS” and "ZONE 2 SOURCE" at the same time and press the power button to turn on the power.

Select the "2. PROTECTION" using the “TUNER PRESET +/-” buttons, and press the “STATUS” button.

Press the "STATUS" button and the unit will display the Protection History condition.

Warning Displays by POWER LED

If the power is turned off while a protection is detected, the POWER LED (red) flashes in the following ways as a warning according to the protection status.

(a) ASO/DC protection: Flashes in 0.5-second cycles (0.25 seconds lit, 0.25 seconds unlit)
(b) THERMAL (E/F) protection: Flashes in 2-second cycles (1 seconds lit, 1 seconds unlit)
The End

NOTE:
This edition is missing the link to the IR Codes....................................................................................................11/17/2016