

(61) 3051-5800

# DENON PROFESSIONAL

## **DN-700AV**

User Guide English (2 – 13)

Guía del usuario Español (14 – 26)

Guide d'utilisation Français (27 – 39)

Guida per l'uso Italiano (40 – 52)

Benutzerhandbuch Deutsch (53 – 65)

**Appendix** English (66 – 67)



### **User Guide (English)**

#### Introduction

#### **Box Contents**

**DN-700AV** 

Power Cable

FM Antenna

Remote Control

Euroblock

User Guide

Safety & Warranty Manual

#### Support

For the latest information about this product (documentation, technical specifications, system requirements, compatibility information, etc.) and product registration, visit **denonpro.com**.

For additional product support, visit denonpro.com/support.

#### **Safety and Precautions**

- Keep the unit free from moisture, water, and dust.
- Do not block the ventilation holes.
- Do not let foreign objects fall into the ventilation holes.

#### Before turning the power on

- Check that all connections are correct and that there are no problems with the connection cables.
- Power is supplied to some of the circuitry even when the unit is set to the standby mode. When leaving home for long periods of time, be sure to unplug the power cord from the power outlet.

#### Condensation

• If there is a major difference in temperature between the inside of the unit and the surroundings, condensation (dew) may form on the operating parts inside the unit, causing the unit not to operate properly. If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.

#### Cautions on using mobile phones

• Using a mobile phone near this unit may result in interference with video and audio signals. If that occurs, move the mobile phone away from this unit when it is in use.

#### Operable time for continuous use

• This unit can be used continually for up to 24 hours. Continuing to use this unit for longer than 24 hours may result in operations failing to function correctly. To continue use for longer than 24 hours, restart the unit every 24 hours.

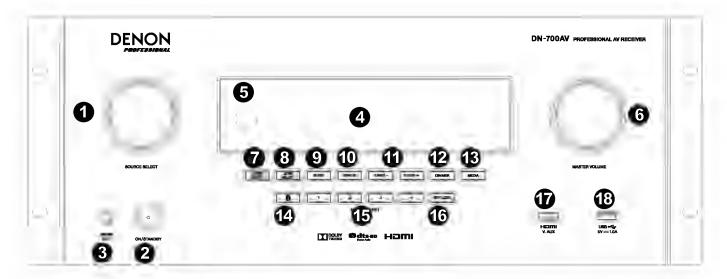
#### Care and cleaning

- Wipe the cabinet and control panel clean with a soft, nonabrasive cloth.
- Benzene, paint thinner, or other solvents may cause discoloration if brought into contact with the unit, and should not be used.



#### **Features**

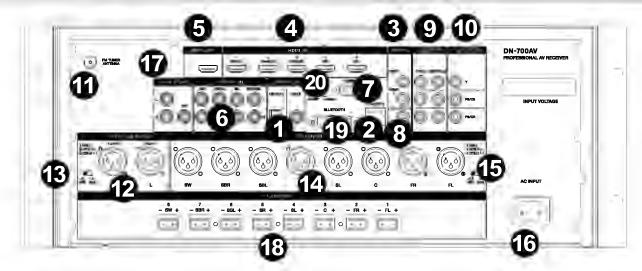
#### **Front Panel**



- 1. **Source Select Knob:** Turn this knob to select the input source. Select from Bluetooth, TV, Tuner, DVD, Dock, BD, SAT/CBL, Game1, Game2, CD, and Multimedia (select from music streaming services, Internet radio, saved favorite files on a network, media server, or a connected USB flash drive).
- 2. **ON/Standby:** Press this button to turn the unit on/off. When the unit is off, it will be in a standby mode.
- 3. Phone Output: Connect your headphones to this 1/4" (6.35 mm) headphone output.
- 4. **VFD Display:** The display is used to show information about the selected audio source, the FM radio station, Internet radio, setup menus, and various functions.
- 5. **IR Sensor:** Aim the remote control here to adjust the unit's settings.
- 6. Master Volume: Use this knob to control the master volume of the unit.
- 7. **Zone On/Off:** Use this switch to turn zone two on or off.
- 8. **Zone Select:** Use this button to select which source input is mapped to Zone 2.
- 9. Sleep: Use this switch to set the sleep timer in increments of 10 minutes up to 120 minutes.
- 10. Status: Use this switch to display information about the audio source, HDMI connection, and Unlock status.
- 11. **Tuner -/+:** Use these buttons to select the FM radio channel.
- 12. **Dimmer:** Use the switch to control the brightness of the VFD display.
- 13. Media: Use this to switch to a connected USB flash drive, Internet Radio, or media server.
- 14. **Bluetooth:** Press this button to pair the unit with a Bluetooth device. Press and hold this button for 3 seconds to disconnect from a paired Bluetooth device.
- 15. Quick Selects: Use these switches to select preset audio, video, or HDMI input sources.
- 16. **Key Lock:** Use this switch to lock all other switches on the front panel. A message will be shown on the display indicating that all keys are locked.
- 17. HDMI IN: Connect a HDMI device to this front panel HDMI input.
- 18. **USB Port:** Connect a USB flash drive here with music and picture files. **WMA** (Windows Media Audio), **MP3** (MPEG-1 Audio Layer-3), **WAV**, **MPEG-4 AAC**, and **FLAC** (Free Lossless Audio Codec) are supported.



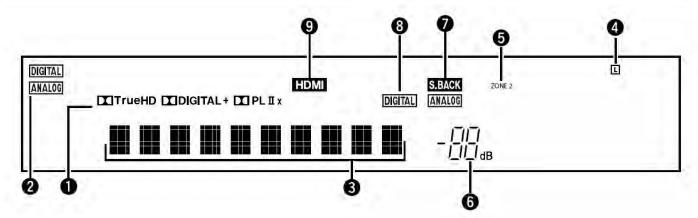
#### **Rear Panel**



- 1. Digital Inputs: Connect devices with coaxial and optical audio inputs here.
- 2. **Network Connector:** This connector is used to connect the unit to a LAN (local area network). The port is used to remotely control the unit, to stream audio from a media server, or to connect to Internet radio.
- 3. Composite Video Inputs: Connect video outputs from a composite video device here.
- 4. **HDMI Inputs:** Use these 5 HDMI inputs to directly route the video and audio from a Blu-ray player, DVD player to the HDMI output.
- 5. HDMI Out: Connect this HDMI output to a TV, projector, computer monitor, or DVR.
- Analog Audio Inputs: Connect the audio output of your sound sources here.
- 7. **Serial Port:** This input lets you connect a host device (usually a computer) to DN-700AV. You can use the host device to control DN-700AV via commands sent from it (using RS-232C serial communication).
- 8. Video Out (Composite): Connect this video output to the video input of another video source.
- 9. Video Inputs (Component): Connect the video inputs to the video output of another video source.
- 10. Video Outputs (Component): Connect the video outputs to the video input of another video source.
- 11. FM Tuner Antenna: Connect the included antenna here to get reception for FM radio sources.
- 12. **CD In:** Connect these balanced XLR inputs to the output of a preamp or mixer.
- 13. Input Level Setting Switch: Adjust this to switch the audio input level to -10 dBv or +4 dBu.
- 14. **Balanced Outputs:** Connect these individual surround channel XLR outputs to the input of a mixer or preamp.
- 15. **Balanced Output Level:** Adjust this to switch the surround channel XLR output level to -10 dBv or +4 dBu.
- 16. Power Input: Connect the included power cable here.
- 17. **Zone 2 Outputs:** Sends the audio signal from the L/R and subwoofer output to another location.
- 18. **7.1 Amp Out:** Use these Euroblock outputs to send individual channels of the surround mix of the audio to a speaker setup (75W per channel).
- 19. Bluetooth Antenna: The integrated antenna is used for Bluetooth reception.
- 20. **Firmware Update:** The "Service/Normal" switch is used to set the mode for the USB connection for the firmware upgrade. For normal operation, this switch should be left in the Normal position.



#### **Display**



- Decoder Indicators: This illuminates when the respective decoders are operating.
- 2. Input Signal Indicators: This illuminates when an input signal is detected.
- 3. **Information Display:** The input source name, surround mode, setting values, and other information is shown here.
- 4. Speaker Indicator: This illuminates when the surround channel speaker is in use.
- 5. **Zone 2 Indicator:** This illuminates when Zone 2 is powered on.
- 6. Master Volume Indicator: This illuminates when the master volume is adjusted.
- 7. **Surround Back Indicator:** This illuminates when audio signals are being sent to the surround back L/R speakers.
- 8. Input Mode Indicators: Sets the audio input modes for the different input sources.
- 9. **HDMI Indicator:** This illuminates when playing a source using a HDMI connection.



#### **Remote Control**

Power: Turns the power on and off for the unit.

**Mute:** Silences the sound output. Press again to resume the sound output. **Zone On/Off:** Turns on/off the video/audio output for the selected zone.

Zone Select: Map Zone 2 to the desired source input.

Display: Press to view the input source settings on your TV or computer monitor.

Stereo Direct: In Stereo Direct mode, the audio is played back as close to how it was originally recorded.

**Menu:** Access the settings for adjusting video settings, audio settings, input sources, system settings, and the Setup Wizard.

**Speaker Setup:** Adjust the parameters for surround sound speaker outputs. Select the type of speaker (small or large) connected to the surround outputs using the ▲ or ▼ buttons.

Cursor Buttons: Selects an audio track or navigates through the menus.

Enter: Press to confirm a menu selection.

Back: Press to go to the previous menu or exit out of a menu.

**OSD:** Press to turn off the on-screen front panel display.

**DVD:** Selects the DVD input source. **BD:** Selects the BD input source.

**DOCK:** Selects the Dock input source.

SAT/CBL: Selects the SAT/CBL input source.

CD: Selects the CD input source.

Multimedia: Selects the Multimedia input source.

**BT:** Selects the BT input source. **FM:** Selects the FM input source.

**HDMI:** Press to cycle through one of the 6 HDMI input sources.

Surround: Select from the different surround sound modes.

**DTS/Dolby:** Selects DTS or Dolby sound types. When playing back audio sources encoded in DTS, accurate sound field position and realistic sound is heard similar to being in a movie theater. When Dolby is selected, this multi-channel digital signal format uses 5.1 channels: 3 front channels ("FL", "FR" and "C"), 2 surround channels ("SL" and "SR") and the "LFE" channel for low frequencies. Because of this, there is no crosstalk between channels and a realistic sound field with a "three-dimensional" feeling (sense of distance, movement and positioning) is achieved.

**Audio In:** Select an audio input to map to the currently selected source. Select from **HDMI**, **Analog**, **Coax** (coaxial), and **Opt** (optical).

Station +/-: Press these buttons to cycle through one of 20 radio station memory locations.

Tone: Adjusts the treble and bass qualities for the sound source.

**Channel Select:** Press this button to cycle through each of the surround sound channels. Press the ▲ or ▼ buttons to adjust the channel level.

**Volume +/-:** Adjust the master volume for the input source.

|<<: Skip to the previous USB track or Bluetooth track.</p>

>> : Skip to the next USB track or Bluetooth track.

Play/Pause: Play/pause the USB track or Bluetooth track.

Stop: Stops the currently playing USB track or Bluetooth track.

Stereo: Press to select to have a stereo signal outputted alone or to have a stereo signal with the subwoofer output.

Stereo/Mono: Press this button to alternate between Stereo mode and Mono mode.

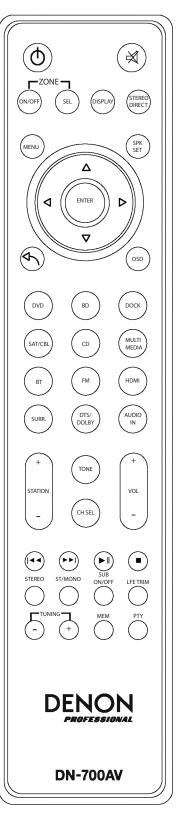
Sub On/Off: Turn the subwoofer audio output on/off.

**LFE Trim:** This Low Frequency Effect emphasizes low frequency sound, outputting 20 Hz to 120 Hz bass. This adjusts the level of the low-frequency effects channel in a movie soundtrack or multichannel music recording. Note that this is not a subwoofer level control, so it will work only on 5.1 channel soundtracks that contain a LFE.

Tuning -/+: Selects the FM radio station.

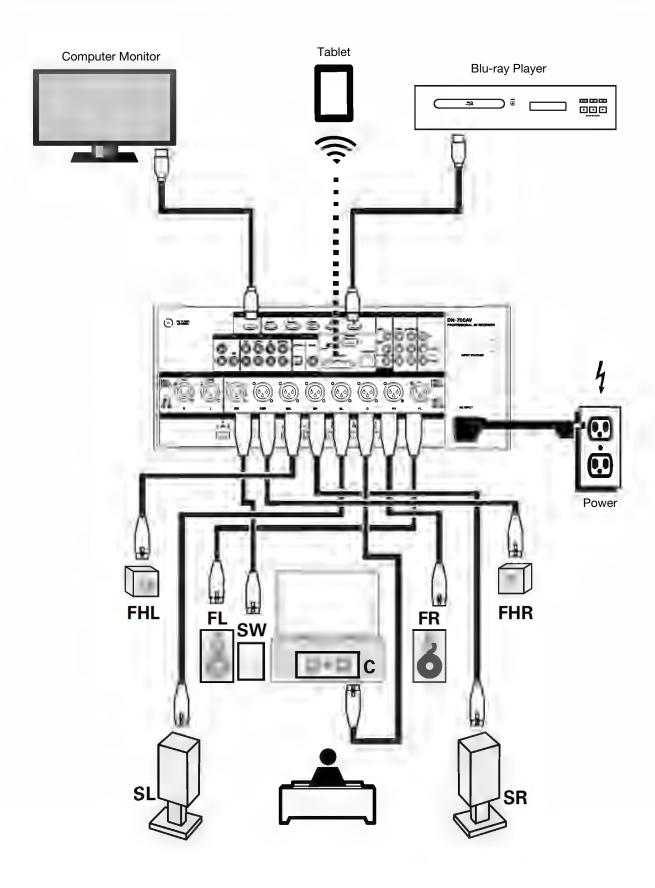
**Memory:** When playing back files from a network/media server or listening to the radio, press **Mem** to register the file/radio station as a favorite preset.

**PTY** (**Program Type**) **Search:** In Tuner mode, press this button to search for and store a certain style of radio programming.



## Setup

Items not listed under *Introduction > Box Contents* are sold separately.





#### **Getting Started**

Use the **Setup Wizard** to adjust the following settings:

- Set the language for the instructions seen on your TV/computer monitor.
- Set the audio/video source and sound options for each speaker.
- Configure the settings so that connected devices can be operated using the included remote control.
- Configure network settings to play audio files from a media server or Internet radio.
- 1. Connect your surround sound speakers to DN-700AV.
- 2. Switch your television/computer monitor to the input source connected to DN-700AV's HDMI output.
- 3. Power on DN-700AV.
- 4. Press **Zone Select** to map the Zone 2 to the desired source input.
- 5. Press Enter to start the Setup Wizard.
- 6. Follow the **Setup Wizard** instructions to setup your video and audio sources.

#### Operation

#### **Selecting an Input Source**

To select from the input source options, turn the **Source Select** knob on the front panel or press one of the **Quick Select** buttons. Alternatively, press one of the pre-mapped source buttons on the remote control.

#### **Saving Sources to Quick Select Buttons**

- 1. Use the **Source Select** knob to select an input source.
- 2. Press and hold one of the **Quick Select** buttons for 2 seconds. The selected source will be stored to the **Quick Select** location.

#### **Adjusting Individual Surround Channel Volume**

Press the **Channel Select** button on the remote contol to cycle through each of the surround sound channels. Use the ▲ or ▼ buttons to adjust the individual channel volume.

#### **Adjusting the Master Volume**

Adjust the **Master Volume** using the front panel knob. Alternatively, use the remote control ▲ or ▼ buttons to adjust the master volume. Press the **Mute** button on the remote control to turn off the sound temporarily. To cancel muting, press the **Mute** button again, adjust the **Master Volume** knob, or adjust the remote control **Vol** +/- buttons.



#### **Assigning Sources to the Input Connectors**

This screen appears when the **Input Setup** ▶ **Each Input Source** ▶ **Input Assign** menu is selected. Use the Input Assign menu to route the HDMI inputs, digital inputs, and component inputs to the different sources.

- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Press the **Menu** button on the remote control. Use the ▲, ▼, ◄, ▶ buttons to navigate to the **Input Setup** ▶ **Each Input Source** ▶ **Input Assign** menu.
- 3. Use the  $\blacktriangle$ ,  $\blacktriangledown$ ,  $\blacktriangleleft$ ,  $\blacktriangleright$  buttons to move to the source you want to set.
- 4. Press Enter, then use cursor ◀ and ▶ buttons to select the input to be assigned.
- 5. Press **Enter** to save the setting.

#### Notes:

- An input source to which an HDMI input connector cannot be assigned will be seen as - -.
- To play the video signal assigned at HDMI combined with the audio signal assigned at Input Assign ►
  Digital, select Digital in the Input Mode.
- When HDMI Control is set to On, the HDMI input cannot be assigned to TV.

#### Using the Dock Audio Inputs for Media Playback

- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Connect your media device to the Dock inputs on DN-700AV.
- 3. Press Dock on the remote control or use the Source Select knob to choose Dock as the audio input source.
- 4. Start playback from your media device and adjust the source volume.

#### Playing Files on a USB Flash Drive

A USB flash drive can be connected to the USB port of this unit to play music and picture files. Only USB flash drives conforming to mass storage class and MTP (Media Transfer Protocol) standards can be played on DN-700AV, in the FAT16 or FAT32 format.

The supported file formats are: **WMA** (Windows Media Audio), **MP3** (MPEG-1 Audio Layer-3), **WAV**, **MPEG-4 AAC**, and **FLAC** (Free Lossless Audio Codec).

#### To play files on a USB flash drive:

- 1. If DN-700AV is off, press the **Power** button to power it on.
- 2. Connect your USB flash drive (mass storage class) to the USB port.
- 3. Select **Multimedia** as your desired media type and use the **Cursor** ◀ and ▶ buttons on the remote control to select **USB**.
- 4. Select a file from the list displayed on DN-700AV or your TV/computer monitor.

To move through audio files or folders, press the **Cursor** ◀ and ▶ buttons on the remote control. Press **Enter** to open a folder or to select an audio file to begin playing.

#### Playing Audio from a Bluetooth Device

- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Use the Source Select knob to choose Bluetooth.
- 3. Press the Bluetooth button.
- 4. Navigate to your Bluetooth device's setup screen, find "DN-700AV" and connect.
- 5. Begin to play music on your Bluetooth device.

To disconnect a paired Bluetooth device, press and hold the **Bluetooth** button for 3 seconds. Alternatively, use the **Source Select** knob to choose another playback source and disconnect pairing.

**Note:** If your Bluetooth device prompts for a pairing code, enter **0000**.



#### Listening to the Radio

- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Use the Source Select knob to choose Tuner. The audio from the broadcast will start automatically.
  - Important: Make sure you have properly connected the FM antenna.
- 3. To select a radio station, use the **Tuner -/+** buttons on the unit or the **Tuning -/+** buttons on the remote control. Hold either the **Tuning +** or **Tuning -** button down for 2 seconds to scan and stop at the next radio station with a strong signal.

**Note:** RDS is a method for the transmission of additional information via VHF stations. For example, the name of the station broadcasting, the name of the program, or the type of program will be shown on the multifunction display. It can only function if the local broadcasting stations have the RDS transmission and the signal is strong enough.

#### To save/recall a radio station preset:

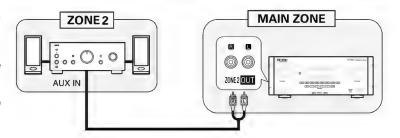
- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Use the Source Select knob to choose Tuner.
- 3. Select a radio station using the Tuner -/+ buttons on the unit or the Tuning -/+ buttons on the remote control.
- 4. Press the **Mem** button on the remote control, then press the **Tuning -/+** buttons to select a preset memory location. Press the **Mem** button again to save the radio station to the selected location.
- 5. To recall a saved radio station, press the **Station +/-** buttons to cycle through the saved radio station presets.

#### Playing Audio from the Zone 2 Outputs

You can simultaneously play back the same audio source in both the Main Zone and Zone 2.

- 1. Press Zone On/Off to turn on the Zone 2 power.
- Press Zone Select to map Zone 2 to the desired source input.
- 3. Play back your audio source.

**Note:** It is not possible to play digital input signals using the HDMI, Coaxial, or Optical input for Zone 2.



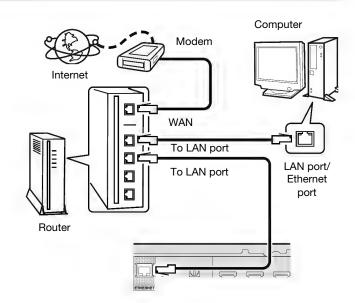
#### Connecting to a Network

You can play music files stored on a computer or from Internet radio stations via your network (LAN).

Required equipment:

- Broadband Internet connection
- Modem
- Router: We recommend using a router equipped with a built-in DHCP server and a built-in 100BASE-TX switch. When connecting multiple devices, we recommend a switching hub with a speed of 100 Mbps or greater.
- Ethernet cable (CAT-5 or greater recommended): Use only a shielded STP or ScTP LAN cable.
  - If you are using an Internet service on which network settings are made manually or with no DHCP function, adjust the settings directly from the Network Setup menu. When adjusting network settings manually, confirm the settings with your network administrator.
  - Do not connect the Ethernet cable from DN-700AV directly to the LAN port/Ethernet connector on your computer.
- 1. Connect your Ethernet cable from DN-700AV to your network.
- Turn on DN-700AV. DN-700AV will connect automatically on networks with DHCP.

When connecting to a network that has no DHCP function, manually adjust the settings in the Network Connect menu.



#### Playing Network/Media Server Files

- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Use the **Source Select** knob to choose **Multimedia** as the source, select **Media Server** using the ▲ or ▼ buttons, then press **Enter** or ▶.
- 3. Press the ▲ or ▼ buttons to select the server, then press **Enter** or ▶.
- Use the ▲ or ▼ buttons to select the file, then press Enter or ►.
   Playback will begin once buffering reaches "100%".

#### **Listening to Streaming Music/Internet Radio**

You can listen to streaming music services or radio broadcasts distributed over the Internet. The Internet radio stations can be selected by genre and location.

- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Verify that the network settings on DN-700AV are correct.
- 3. Use the Source Select knob to choose Multimedia.
- 4. Use the **Cursor** ◀ and ▶ buttons on the remote control to select a music streaming service or an Internet radio station, then press **Enter** or ▶.
- 5. Press ▲ or ▼ to select the station, then press **Enter** or ▶. Playback will begin once buffering reaches "100%".

#### Saving Internet radio stations as Favorites

- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Use the Source Select knob to choose Multimedia.
- Use the Cursor 

  and 

  buttons on the remote control to select an Internet radio station, then press Enter or 

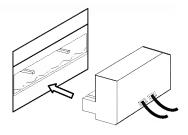
  .
- 4. Select an Internet radio station, then press **Enter** or ▶ to start playback.
- 5. While the Internet radio station you want to store as a preset is playing, press **Mem**.
- 6. Press ▲ or ▼ to select **Favorites**, then press **Enter**.
- 7. Press ◀ to select Add.

#### Listening to Internet radio stations registered in your Favorites

- 1. If DN-700AV is powered off, press the **Power** button to power it on.
- 2. Use the Source Select knob to choose Multimedia.
- 3. Use the **Cursor** ◀ and ▶ buttons on the remote control to select **Favorites**.
- Press ▲ or ▼ to select the Internet radio station, then press Enter or ►.
   Playback will begin once buffering reaches "100%".

#### **Using a Euroblock Connector**

- Twist the speaker wire to form a tight strand and insert this into the appropriate port, pushing the wire until it is secured inside.
- 2. Attach the Euroblock connector to the input terminal on DN-700AV.
- To disconnect a wire, use a small screwdriver to press in the spring above the insert port while pulling out the wire.





## **Troubleshooting**

If you encounter a problem, try doing these things first:

- Make sure all cables and other connected devices are properly and securely connected.
- Make sure you are using DN-700AV as described in this user guide.
- · Make sure your other devices or media are working properly.
- If you believe DN-700AV is not working properly, check the following table for your problem and solution.

Problem:	Solution:
Power does not turn on.	Make sure the power cable is properly connected to DN-700AV and the power outlet.
The Display is off	Set the Dimmer to a setting other than "Off".
The power button indicator blinks red at 2 second intervals	The temperature inside the unit has risen. Turn off the power and re-apply the power after the temperature has sufficiently fallen.
	Re-install the unit in a place with good ventilation.
No audio is outputted	Check the audio cable connections.
	When outputting HDMI audio from the speakers, set "HDMI Audio Out" on the menu to "AMP".
	Ensure the sound is not muted.
	When outputting HDMI audio from a TV, set "HDMI Audio Out" on the menu to "TV".
No video is outputted.	Check the video cable connections.
	Set the source on DN-700AV to match the connected video input.
	Set your TV to the correct input source.
	If using HDMI cables, check whether the TV is compatible with copyright protection (HDCP). If connected to a device not compatible with HDCP, video will not be output correctly.
Dolby TrueHD, DTSHD, Dolby Digital Plus audio is not outputted.	Ensure HDMI cables are used.
When a USB flash drive is connected, "USB" is not displayed in the menu.	Check that the USB flash drive is properly connected.
	Ensure a USB flash drive conforming to mass storage class or MTP standards is connected.
	Connect the USB flash drive directly to the USB port (not through a USB hub).
Files on a USB flash drive cannot be played.	Ensure the USB flash drive has been formatted as FAT16 or FAT32.
	If the USB flash drive is divided into multiple partitions, only files stored in the top partition can be played.
	The file type is not supported.
	You are attempting to play a file that is copyright protected. Files that are copyright protected cannot be played on this unit.
The file names are not displayed properly ("", etc.).	Unsupported file name characters are used. Characters that cannot be displayed are replaced with a ".".



Problem:	Solution:
Files stored on a computer/media server cannot be played.	Files are stored in a non-compatible format.
	Files that are copyright protected cannot be played on this unit.
The computer/media server is not found or cannot connect.	The computer or router's firewall is activated.
	Ensure the computer's power is turned on.
	Ensure the server is launched.
	Ensure the correct IP address is being used.
Sound is poor during playback over a network.	The network's signal transfer speed is slow or the Internet radio station is congested.
Audio from my Bluetooth device does not play through DN-700AV.	Make sure you have properly paired your Bluetooth device.
	Improve the Bluetooth signal reception by moving your Bluetooth device closer to DN-700AV. Bluetooth range is affected by walls, obstructions, and movement. For optimal performance, place your device in your room at line of sight, so it is unaffected by walls, furniture, etc.
Pairing my Bluetooth device to DN-700AV requires a PIN.	Enter <b>0000</b> as the PIN. (Some older Bluetooth devices may require you to enter a PIN.)
DN-700AV cannot be operated with the remote control.	Replace with new batteries.
	Operate the remote control unit within a distance of about 23 feet (7 m) from the unit and at an angle of within $30^\circ$ of the front panel IR sensor.
	Remove any obstacle between this unit and the remote control.
	The unit's remote control sensor is exposed to strong light (direct sunlight, fluorescent lights, etc.). Move the unit to a place in which the remote control sensor will not be exposed to strong light.



## Appendix (English)

## **Technical Specifications**

	W 1 40
Bluetooth Specifications	Version: 4.0
	Profile: A2DP, AVRCP
	Range: 49.2 ft.; 15m
	Maximum Transmission Power: -6 dB – +4 dB, Class 2
	Frequency: 2.4 GHz – 2.48 GHz
FM Tuner	Frequency Range: 87.5 MHz – 108 MHz
USB	File System: FAT 16/32 Media Type: USB Flash Drive
Audio Specifications	Preamp Outputs: 7.1 surround sound
	Level: -10 dBv or +4 dBu
	Amplified Outputs: 7.1 surround sound Frequency Response: 10 kHz – 100 kHz, +/-1.0 dB
	Dynamic Range: 10 kHz – 100 kHz, A-weighted, >90 dB
	Signal-to-Noise: 1 kHz, 0 dB, A-weighted, >90 dB
	Distortion: <0.006%
	<b>T.H.D:</b> 1 kHz, 0 dB, A-weighted, <0.01%
Supported Surround Formats	Dolby TrueHD, Dolby Digital Plus, Dolby Digital, DTS-HD Master Audio, DTS ES
Supported File Types	WMA, MP3, WAV, MPEG-4 AAC, and FLAC files
Analog Input	Unbalanced RCA: Nominal Level: -10 dBV (at full scale: -16 dB)
	Minimum Input Level: -19 dBv or higher
	Input Impedance: 47 K $\Omega$ ± 10%, Unbalanced
Digital Inputs	Coaxial: RCA (IEC-60958 Type II) Optical: Toslink IEC-60958 Type II)
Composite Video	Input/Output Level: 1V/p-p
	Impedance: 75 $\Omega$ Frequency Response: 5 Hz – 10 MHz
Component Video	Input Level:
	Y signal, 1Vp-p
	$P_{\rm B}/C_{\rm B}$ signal, .7Vp-p
	P <sub>R</sub> /C <sub>R</sub> signal, .7Vp-p
Impedance	Y signal, 75 $\Omega$
•	$P_{\rm B}/C_{\rm B}$ signal, 75 $\Omega$
	$P_R/C_R$ signal, 75 $\Omega$
Frequency Response	5 Hz – 60 MHz
НОМІ	Version 1.4 (3D and ARC supported)
Power	Connection: IEC
	Input Voltage: 100-240 V, 50/60 Hz
	Fuse: T10AL 250V
	Consumption: <20 W
	Operating Temperature: 41 °F to 113 °F
	Operating Humidity: 25–85%, non-condensing
D'	10.00% 10.00% 0.00%
Dimensions (width y don'th y height)	19.00" x 13.66" x 6.93" 483 x 347 x 176 mm
(width x depth x height)	TOO A OT! A 1/0 IIIII
Weight	32.4 lbs
	14.7 kg

Specifications are subject to change without notice.

Wireless reception and range are affected by walls, obstructions, and movement. For optimal performance, place the product in the center of the room so it is unobstructed by walls, furniture, etc.



#### **Trademarks & Licenses**

Denon is a trademark of D&M Holdings Inc., registered in the U.S. and other countries. Denon Professional products are produced by inMusic Brands, Inc., Cumberland, RI 02864, USA.

The *Bluetooth* word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Denon Professional is under license.

Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

DTS-HD Master Audio and the Symbol are trademarks or registered trademarks, and is a trademark of DTS, Inc.

The terms HDMI and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

All other product names, company names, trademarks, or trade names are those of their respective owners.

denonpro.com