

Nº 519

AUDIO PLAYER OWNER'S MANUAL

mark 
Levinson®
by HARMAN

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ABOUT THIS DOCUMENT

This Owner's Manual covers unboxing of, familiarization with, and configuration of your audio player. This manual will enable you to finely tailor the behavior and performance of the unit to fit your preferences and the particulars of your equipment and listening room. It is strongly recommended that you follow this manual in the order in which it is written so that you understand safety considerations before configuring this sophisticated audio player.

SPECIAL DESIGN FEATURES

Thank you for purchasing a Mark Levinson N° 519 Audio Player. This remarkable product is ready to take you on a journey of music discovery by combining Mark Levinson's unsurpassed audio performance with flexible access to virtually all digital music sources. With impressive flexibility and the convenience of an integrated digital volume control and headphone output, the N° 519 can serve as the heart of your high-performance music system.

Connected Playback

The N° 519 Audio Player offers a comprehensive selection of music content access thanks to wired and wireless streaming, slot-loading disc player, and high-resolution DAC with multiple inputs. You can play music from streaming services, storage on your home network, connected devices, digital audio players, and continue to enjoy your collection of discs. Convenient Bluetooth wireless audio with high-quality aptX offers an instant wireless music connection (check with the manufacturer of your mobile device to determine if it supports the aptX feature). The N° 519 Audio Player plays virtually all high-resolution audio formats: enjoy up to 32-bit, 192kHz PCM, up to double-speed DSD, FLAC, ALAC, and more.

Proprietary Mark Levinson Signal Path

The N° 519 Audio Player was developed with Mark Levinson's proprietary Pure Path discrete, direct coupled, fully balanced, dual-monaural signal path, delivering pure, uncompromising sound quality without restriction, limitation, noise, or coloration. Its Precision Link digital-to-analog converter features nine individual power supplies plus proprietary jitter elimination circuitry, and its fully balanced, discrete I/V circuitry forms the heart of the digital audio processing stage. Six digital audio inputs on the N° 519 are provided including one AES/EBU, two coaxial and two optical plus a USB audio processor capable of asynchronous data transfer of high-resolution DSD and PCM. For low-resolution audio formats, proprietary HARMAN Clari-Fi® music restoration technology reconstructs information and bandwidth lost in compression. A complete embedded Linux computer delivers outstanding performance headroom for flawless performance, regardless of configuration.

Control and Integration

You can control the N° 519 audio player from its front panel, featuring a full-color, five-inch TFT LCD display flanked by eight buttons; its metal-housed remote control, apps on your Apple iOS or Google Android device, any major browser on your computer, and a host of system integration connections including RS-232, triggers, and IR input.

Features

- Mark Levinson proprietary discrete, direct coupled, fully balanced, dual-monaural signal path
- Digital inputs: USB asynchronous (USB type B), two USB mass storage (USB type A), AES/EBU balanced, two Toslink optical, two Coaxial unbalanced
- Network and virtual inputs: Ethernet, Wi-Fi (802.11b/g/n/a), Bluetooth with aptX codec
- Digital outputs: AES/EBU balanced, Toslink optical, Coaxial unbalanced
- Analog outputs: XLR balanced pair, RCA unbalanced pair, 1/4-inch (6.3mm) headphone
- Supports high-resolution formats including 32-bit, 192kHz PCM and double-speed DSD (DSD128)
- Supported 2-channel formats: PCM (24/192), DSD64, DSD128, FLAC, ALAC, WAV, MP3, AAC, WMA, OGG, AIFF, WMV; Redbook and data CDs
- Streaming music services natively supported: Spotify Connect, TIDAL, Qobuz, Deezer, internet radio and podcasts (availability may vary by region)
- Mark Levinson Precision Link DAC featuring the renowned ESS Sabre 32-bit processor
- Front-panel display: 5-inch full-color TFT LCD
- Fixed or variable output with integrated digital volume control capability
- Mark Levinson Main Drive circuit for headphone playback: front-panel jack with integrated Class A amplifier
- Remote control included, iOS and Android apps, supports all major web browsers
- Designed and handcrafted in the USA

INSTALLATION CONSIDERATIONS

UNPACKING

When unpacking your player:

- Save all packing materials in case you need to ship your player in the future.
- Inspect your player for signs of damage during shipment. If you discover damage, contact your authorized Mark Levinson dealer for assistance in making appropriate claims.
- Please register your audio player within 15 days of purchase at marklevinson.com.
- Retain your original, dated sales receipt as proof of warranty coverage.
- Remove the accessory box from the shipping carton. Make sure that all of the items listed below are included. If any are missing, contact your authorized Mark Levinson dealer.
 - o IEC power cord (terminated according to the region to which the unit is shipped)
 - o WiFi Antenna
 - o Remote control with preinstalled batteries
 - o Phillips screwdriver (for replacing remote batteries)
 - o Pair of white gloves (for use during unpacking and initial setup)
 - o Documentation

PLACEMENT AND VENTILATION

- Install the player on a shelf in an open rack, to ensure proper ventilation.
- Ensure that you install the player on a solid, flat and level surface.
- Install the player as close as possible to associated audio components to keep interconnecting cables as short as possible.
- Select a dry, well-ventilated location that is out of direct sunlight.
- DO NOT expose the player to high temperatures, humidity, steam, smoke, dampness, or excessive dust.

POWER REQUIREMENTS

The player is configured at the factory for 100, 115, or 230 VAC power operation at 50Hz or 60Hz. Before operating, ensure that the power label on the rear panel near the AC input connector indicates the correct operating voltage. A detachable IEC power cable intended for use in the region where the unit is sold is included.

Connection to an AC voltage other than that for which the unit is intended can create a safety and fire hazard and may damage the unit. If you have any questions about the voltage requirements for your preamplifier or about the line voltage in your area, contact your authorized Mark Levinson dealer before plugging the unit into an AC power outlet.

WARNING! MAKE SURE all components in the audio system are properly grounded. Do NOT defeat the safety purpose of polarized or grounding-type plugs with “ground-lifter” or “cheater” adapters. Doing so may cause dangerous voltage to build up between components, which may result in personal injuries and/or product damage.

You should unplug the audio player from the AC wall outlet during lightning storms and extended periods of non-use.

CAUTION: BEFORE moving the unit, make sure it is powered off by removing the power cord from the AC power outlet and the unit’s rear panel.

ORIGINAL ANTENNA

The unit’s Wi-Fi antenna cannot be replaced with an alternate. Use of any other antenna is not covered by warranty, may result in degraded performance, and may violate regulations in your country. If you damage or misplace the antenna, replace it with Mark Levinson/HARMAN part number 480-18521.

A NOTE ABOUT WIFI AND BLUETOOTH CONNECTIVITY

Installation factors can affect the range and performance of the WiFi and Bluetooth radios. Make certain that the unit is not blocked by metal cabinets or shelving and that it is within the recommended range of the wireless router to which it is connected. While it is not necessary for normal operation, maximum range of up to 50ft (15m) for Bluetooth connections can be achieved with line-of-sight connections to the BT receiver antenna located on behind the front panel display window.

OPERATING STATES

The player has three operating states:

- **Off:** The AC mains power is disconnected by using the rear-panel Power switch or by removing the power cord from the rear panel.
- **Standby:** The Standby mode has three settings that can be selected via the menu system: Green, Power Save, and Normal.
 - o **Green:** This mode removes power from almost all of the circuits, allowing the unit to be activated only via an IR control signal, a 5V – 12V trigger or a press of the Standby button. **This mode provides maximum power conservation and is the factory-default Standby mode.**
 - o **Power Save:** This mode removes power from the audio circuits, but keeps the control and streaming circuitry powered and ready to receive commands. This mode provides moderate power conservation.
 - o **Normal:** This mode shuts off the display and mutes its audio outputs, but keeps all of its control, streaming, and audio circuits powered. This mode provides the least amount of power conservation but allows the audio circuits to remain warmed up to deliver optimal performance at all times.
- **On:** The entire unit is powered up and all configured outputs are active.

The player has an Auto Off feature that automatically places it into the Standby mode after 20 minutes of no user control input or audio signal passing through the unit. The factory-default setting for the Auto Off feature is on (engaged). You can disable the Auto Off feature in the menu.

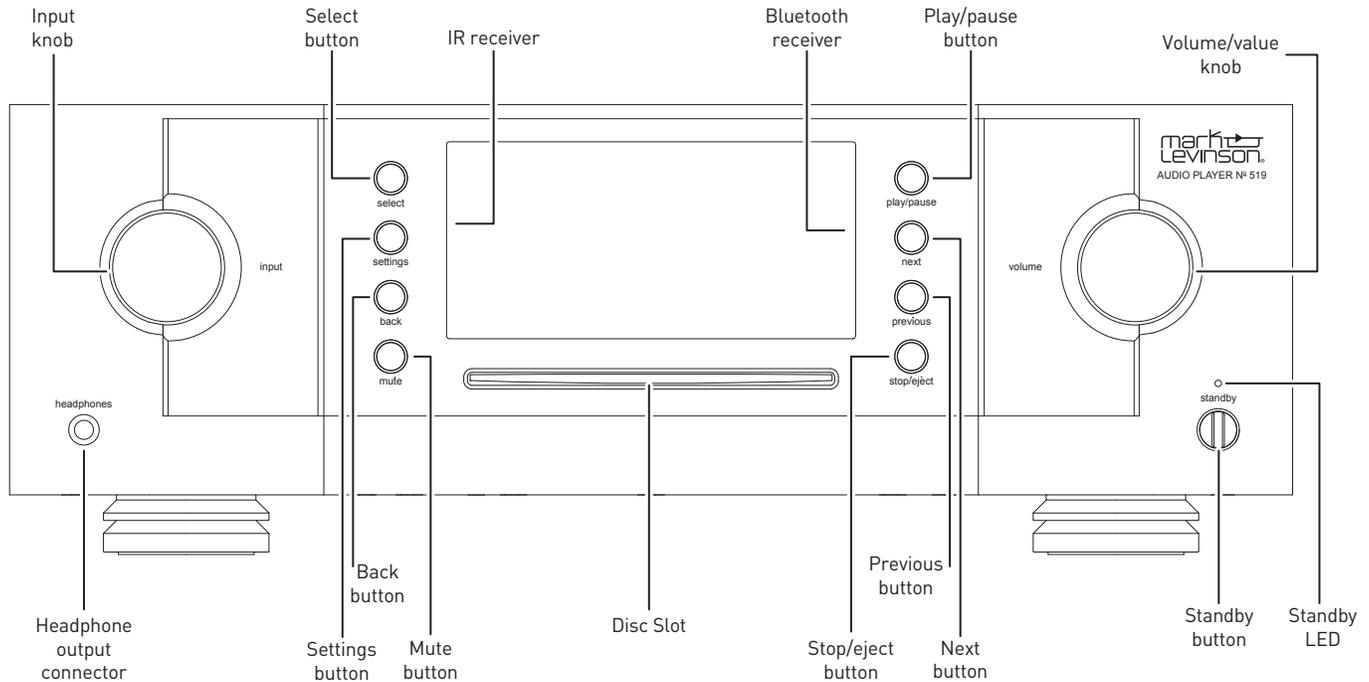
UPDATES

Having the most up to date software on your N° 519 is important for the best reliability and function.

Once connected to the internet (See *Quick Setup and Listen > Wi-Fi Setup* for steps on how to connect), your unit will automatically search for new updates. If new updates are found, the N° 519 will notify you via a gear icon present at the top of the screen. To install these updates, navigate to *Settings > System > Update Firmware > Check for update online*.

GETTING STARTED

FRONT-PANEL OVERVIEW



Front-panel controls/indicators

Input knob: Rotate this knob to select the desired input to send to the outputs. (Note: the Input knob will bypass any input for which the Input has been disabled in the *Settings > Input Setup* menu.)

IR receiver: the IR receiver receives commands from the included remote control when the unit is not being controlled via its rear-panel IR Input connector (see Rear-Panel Overview for more information). Infrared communication requires line-of-sight between the remote and this “target” on the unit’s front panel.

Bluetooth receiver: the Bluetooth receiver receives the Bluetooth stream from the connected device (phone, tablet, or computer). Bluetooth communication does not require line-of-sight between the device and this receiver on the unit’s front panel, but for best range of distance between the two, line-of-sight is encouraged.

Headphone output connector: this ¼-inch (6.3mm) TRS phone plug connector provides a line-level stereo signal that can drive headphones up to 32 ohms in Class A. When the unit detects that headphones have been connected, the Balanced and Single-Ended outputs are automatically muted, and the Volume knob switches to control of the Headphone output level. When the unit detects the headphones have been disconnected, the Balanced and Single-Ended outputs are automatically unmuted, and the Volume knob returns to control of their level.

The balanced and single-ended outputs can be configured in the menu as Fixed (for use with recording components or a second audio zone). When configured as Fixed, the Line outputs are not affected by volume controls.

Select button: press this button to select an item in a list, or confirm ("OK") a menu-item change within the menu system.

Settings button: press this button to enter the menu system, which you can use to customize the player to suit your other system components, individual preferences and listening space.

Back button: press this button to move back or "up" one level in the menu system. The Back button does not function during normal operation. The Back button is also used to move the cursor left when manually entering text in settings.

Mute button: press this button to mute and unmute the level of the outputs by the amount determined in the menu.

Play/pause button: press this button to engage playback from stopped or paused state on the current source, or to pause playback if currently playing. The Play/pause button does not function when the Balanced, Optical, or Coaxial inputs are selected.

Next button: press this button to select the next track in the current source or playlist. The Next button does not control playback when the Balanced, Optical, or Coaxial inputs are selected. The Next button is also used to move the cursor right when manually entering text in settings.

Previous button: press this button to return to the start of the current track, or if at the start of the current track, to select the previous track in the current source or playlist. The Previous button does not control playback when the Balanced, Optical, or Coaxial inputs are selected.

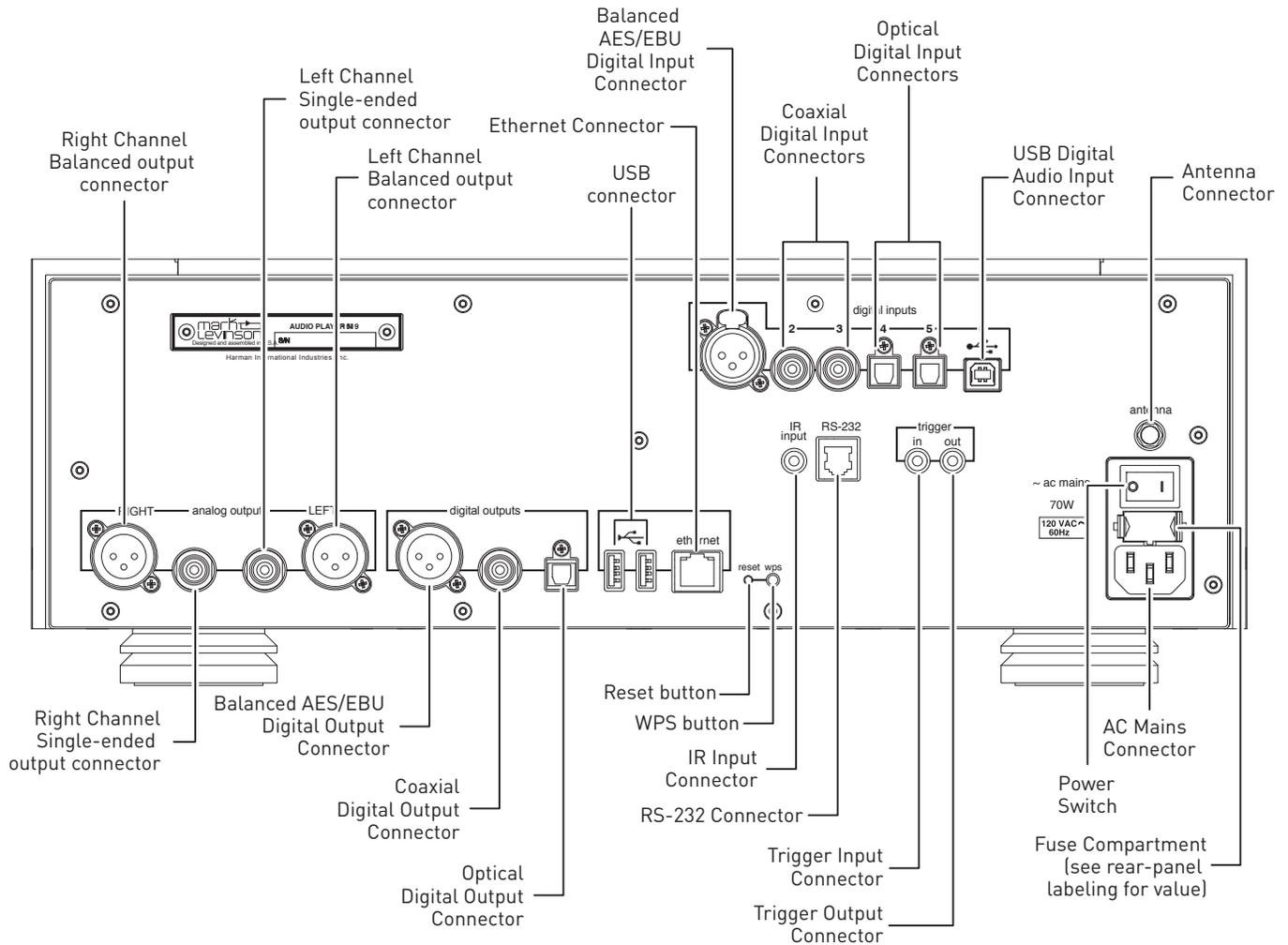
Stop/eject button: press this button to stop playback from playing or paused state on the current source, or to eject a disc

if the Disc input is currently selected and stopped. The Stop/eject button does not function when the Balanced, Optical, or Coaxial inputs are selected, and the Eject functions only when Disc is selected and a disc is inserted.

Volume/value knob: turn this knob to adjust the volume level of the outputs or scroll through items in a list of values when within the Settings menu. The minimum volume level is OFF; the maximum volume level is determined in the menu system. Whenever you select an input, the unit applies the volume offset selected for it in the Setup menu to the output volume level.

Standby button: press this button to put the unit into and out of the selected Standby mode. The LED illuminates when the unit is On. When the unit is in Standby mode, it flashes slowly.

REAR-PANEL OVERVIEW

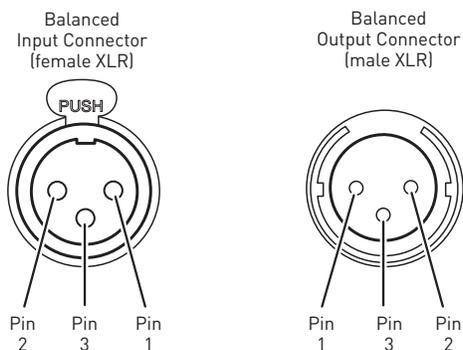


Output Connectors

Balanced output connectors: these XLR 3-pin connectors provide a line-level left-channel and right-channel signal that can be used to send the selected input to preamplifier inputs, power amplifier inputs, a powered subwoofer, or to recording components. Mark Levinson recommends using the Balanced outputs as the primary output if your preamplifier or amplifiers offer balanced inputs.

Single-ended output connectors: these RCA connectors provide a line-level left-channel and right-channel signal that can be used to send the selected input to preamplifier or amplifier inputs, a powered subwoofer, to a second listening zone, or to recording components.

The Balanced and Single-ended outputs can be configured in the menu as Fixed (for use with a separate preamplifier, recording components or a second audio zone). When configured as Fixed, these outputs are not affected by the Volume knob or Mute button.



Digital output connectors: the N° 519 has three digital output connectors: AES/EBU Balanced XLR, Coaxial S/PDIF RCA, and Optical S/PDIF TOSLINK. Each digital output provides a two-channel digital connection to your DAC or preamplifier with built-in DAC. Mark Levinson recommends using the Balanced digital output for the best possible sound quality if the connection is available on the DAC or preamplifier to which the player is connected.

Input Connectors

Digital audio input connectors: the N° 519 has six digital input connectors:

- One AES/EBU Balanced XLR, numbered 1
- Two Coaxial S/PDIF RCA, numbered 2 and 3
- Two Optical S/PDIF TOSLINK, numbered 4 and 5
- One Asynchronous USB Type B, numbered 6

Mass storage connectors: Two Mass Storage USB Type A

- These connectors can be used for attaching USB drives containing music, unit software updates, or setup configuration importing and exporting. *Please note that the USB Type A connections are not for direct connection to an audio source device.*

Note: when importing settings or software updates from a USB flash drive, please remove any other USB drives attached to the unit first, then insert the one with the new settings or software.

Note: Mark Levinson recommends using high-quality, name brand USB drives for the best reliability and performance. Use of low-quality drives may degrade performance or not be reliable.

Control Connectors

Ethernet connector: This connector accepts a Cat5 or higher cable for connection to an Ethernet network. For information on how to configure and use the Ethernet port, see the online user guide.

IR input connector: this 1/8-inch (3.5mm) connector accepts IR (infrared) control signals from other equipment. Note that this connector does not provide power for IR extender modules.

RS-232 connector: this RJ-11 connector provides serial control through a standard RS-232 connection.

Trigger output connectors: these 1/8-inch (3.5mm) TS phone plug connectors can be used to activate other components in the audio system and listening room, such as amplifiers, lights, and window shades. A 12V 100mA DC signal is output whenever the unit is on. (See illustration)

Trigger phone plug connector pin assignments:

- Tip: +
- Sleeve: -

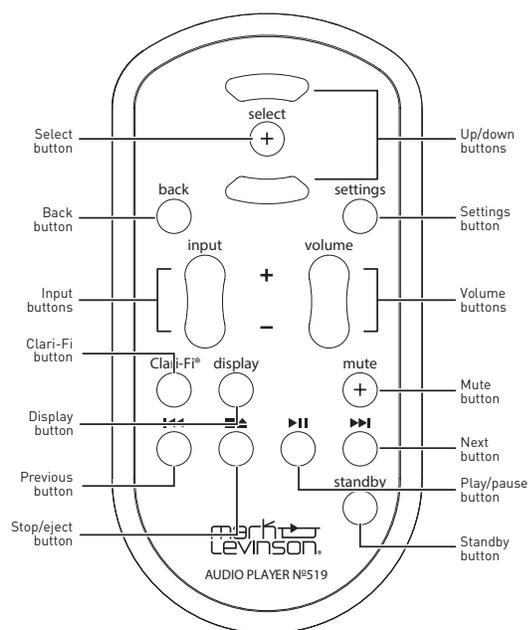


Trigger input connector: this 1/8-inch (3.5mm) TS phone plug connector can be connected to the trigger output of another system component or control system that supplies a trigger voltage. Whenever the unit detects a voltage between 5V and 12V DC at this connection, it will turn On from Standby. When the trigger signal at this connection ceases, the unit will enter the selected Standby mode. (See illustration)

AC Mains connector: This connector provides AC power to the unit when the supplied power cord is connected from it to an AC electrical outlet. Unplug the preamplifier from the AC wall outlet during lightning storms and extended periods of non-use.

Power switch: this mechanical switch turns the unit's power supply on or off. During normal operation, do not use the Power switch to power off the unit; instead, use the Standby button.

REMOTE CONTROL OVERVIEW



Standby button: press this button to put the unit into and out of the selected Standby mode.

Input buttons: press these buttons to select the desired input. The name and volume level of the selected input are indicated on the front-panel display.

Volume buttons: press these buttons to adjust the volume level of the Balanced and Single-Ended outputs if you have set them to Variable in the menu, or the Headphone output if you have connected headphones. The Mute and Maximum volume levels can be set in the Settings Menu, under *Volume & Balance*.

Whenever you select an input, the unit applies the volume offset selected for it in the menu to the Main output volume level (and to the Line output volume level if you have set it to Variable in the menu).

Up/down buttons: press these buttons to select the next highest or lowest item when within the menu structure. The up/down buttons do not function during normal operation.

Settings button: press this button to display the menu, which you can use to customize the player to suit your individual preferences, listening space and other system components.

Mute button: press this button to mute and unmute the Balanced and Single-ended outputs if you have set them to Variable in the menu, or to mute and unmute the Headphone output if you have connected headphones. The mute level can be configured in the menu.

Select button: press this button to confirm or "OK" a setting change when the menu is displayed.

Back button: press this button to move back or "up" one level in the menu system. The Back button does not function during normal operation.

Play/pause button: press this button to engage playback from stopped or paused state on the current source, or to pause playback if currently playing. The Play/pause button does not function when used with the Balanced, Optical, or Coaxial inputs.

Next button: press this button to select the next track in the current source or playlist. The Next button does not control playback when used with the Balanced, Optical, or Coaxial inputs.

Previous button: press this button to return to start of the current track, or if at the start of the current track, to select the previous track in the current source or playlist. The Previous button does not control playback when the Balanced, Optical, or Coaxial inputs are selected.

Stop/eject button: press this button to stop playback from playing or paused state on the current source, or to eject a disc if Disc is currently selected and stopped. The Stop/eject button does not function when the Balanced, Optical, or Coaxial inputs are selected, and the Eject functions only when Disc is selected and a disc is inserted.

Clari-Fi button: pressing this button activates or deactivates HARMAN Clari-Fi® music restoration technology circuitry.

Display button: press this button to change the intensity of the front-panel display. Multiple presses of the Display button cycle through the available brightness levels: High, Medium, Low, Off. If the display is Off and the unit is On, press the Display button to turn the display on.

QUICK SETUP AND LISTEN

REMOTE CONTROL

Your remote control comes with two preinstalled AAA alkaline batteries. To replace the batteries, remove the remote control's battery cover using the included screwdriver, insert the batteries and replace the battery cover. Be sure to observe proper battery polarity.

When using the remote control, aim it toward the front-panel IR receiver. Make sure that no objects, such as furniture, block the remote's view of the receiver. Bright lights, fluorescent lights, and plasma video displays may interfere with the function of the remote.

- The remote has a range of about 17 feet (5m), depending on the lighting conditions
- You can use the remote at an angle of up to 45°
- Placing the unit behind tinted glass will reduce the remote control's effective range

INITIAL CONNECTIONS

CAUTION: Before making connections, make sure the unit and all associated components are powered off and disconnected from electrical outlets.

1. Connect your amplifiers' or preamplifier's inputs to the player's output connectors. Mark Levinson recommends using the Balanced output connectors if your amplifier(s) or preamplifier have balanced input connectors. Otherwise, use the Single-ended output connectors.
2. Connect digital source components' outputs to the player's digital audio inputs and USB drive(s) to the rear-panel inputs. If you are connecting a computer via USB, download and install the USB Audio driver software from the product web page at marklevinson.com, under the Downloads tab.
3. Connect the supplied Wi-Fi antenna to the unit's rear panel.
4. If possible, connect the unit to your network via router or other network connection using a Cat5 or higher cable. If connected via Wired network, the antenna is optional.

Mark Levinson recommends using a wired network connection for the best performance and stability. If you do not have access to a wired network connection where your unit is located, follow the Wi-Fi Setup steps below. The unit will connect via wired OR wireless network method, so if you have access to a wired network connection, there is no need to follow the Wi-Fi Setup steps.

5. Connect the supplied power cable to the player's AC Mains connector and into an electrical outlet. Turn the rear-panel Power switch on the unit to On, and turn on all associated components.
6. When the system has completed starting up, and the display is dark with Standby indicator slowly flashing, press the front-panel Standby button or the Standby button on the remote control.
7. Make sure the player's or preamplifier's volume is set to a reasonable level. It is best to start low and turn up to avoid unintentionally damaging your equipment.
8. Turn the Input knob or press the Input buttons on the remote to select the input that corresponds to an input to which you connected a source component, or insert a CD.
9. Download the Mark Levinson Audio Player app, available from the Apple iOS App Store or Android Google Play.

Optional: if you would like to control your N° 519 from your computer type the player's IP address into your web browser. This is the number that appears in gray on the opening screen.

You can also find the player's IP address from the Settings Menu under Network.

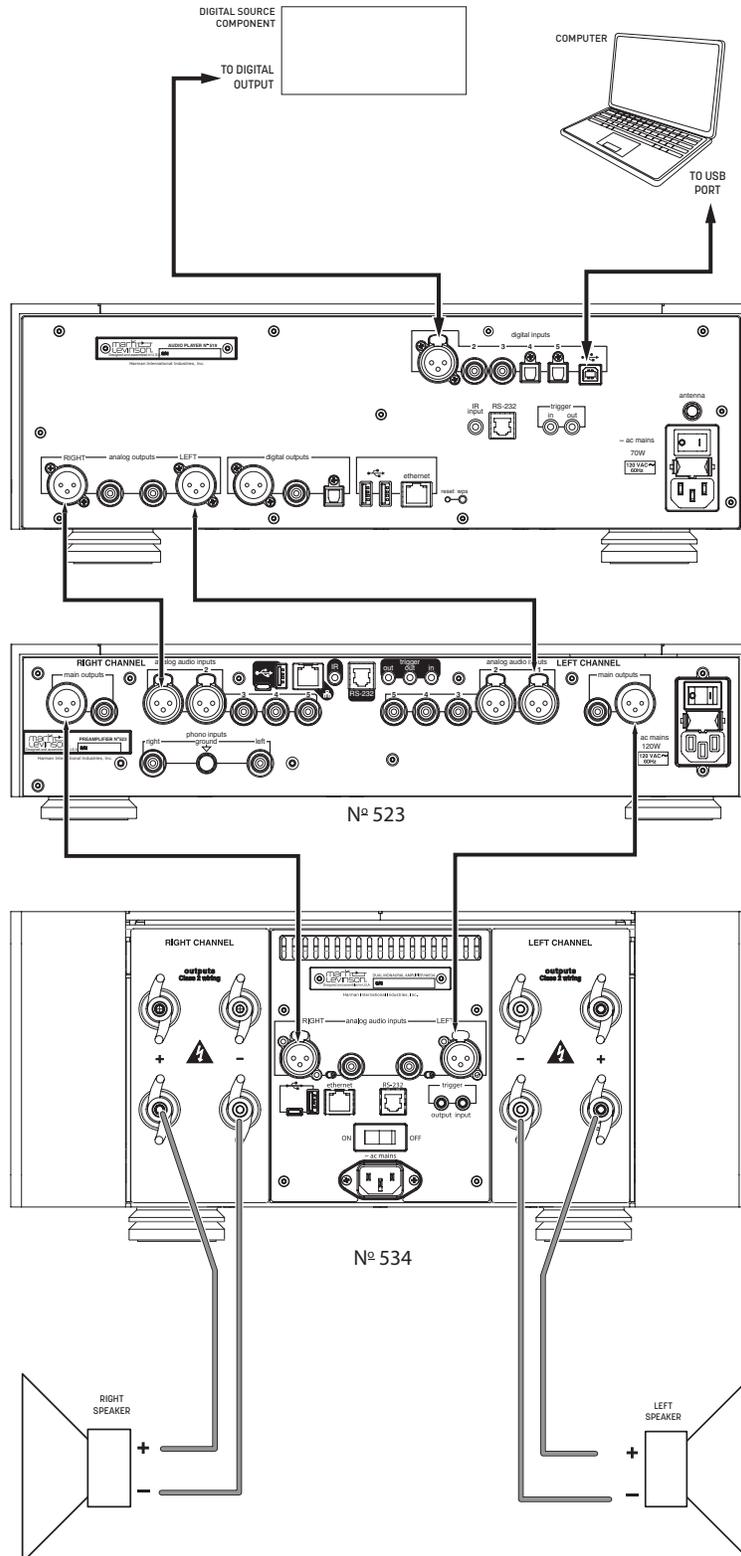
A NOTE ABOUT DSD FILES

The N° 519 will play back both DSD64 and DSD128 encoded files. When playing music encoded in these formats, audio will only be present at the analog (and headphone) outputs. Because of the nature of DSD-encoded data, it cannot be transmitted via standard digital interconnections like Toslink or coaxial.

If you are using your N° 519 as a digital source connected to a preamplifier's DAC, you will need to also connect the N° 519's analog outputs to an input on the preamplifier to listen to your DSD-encoded data.

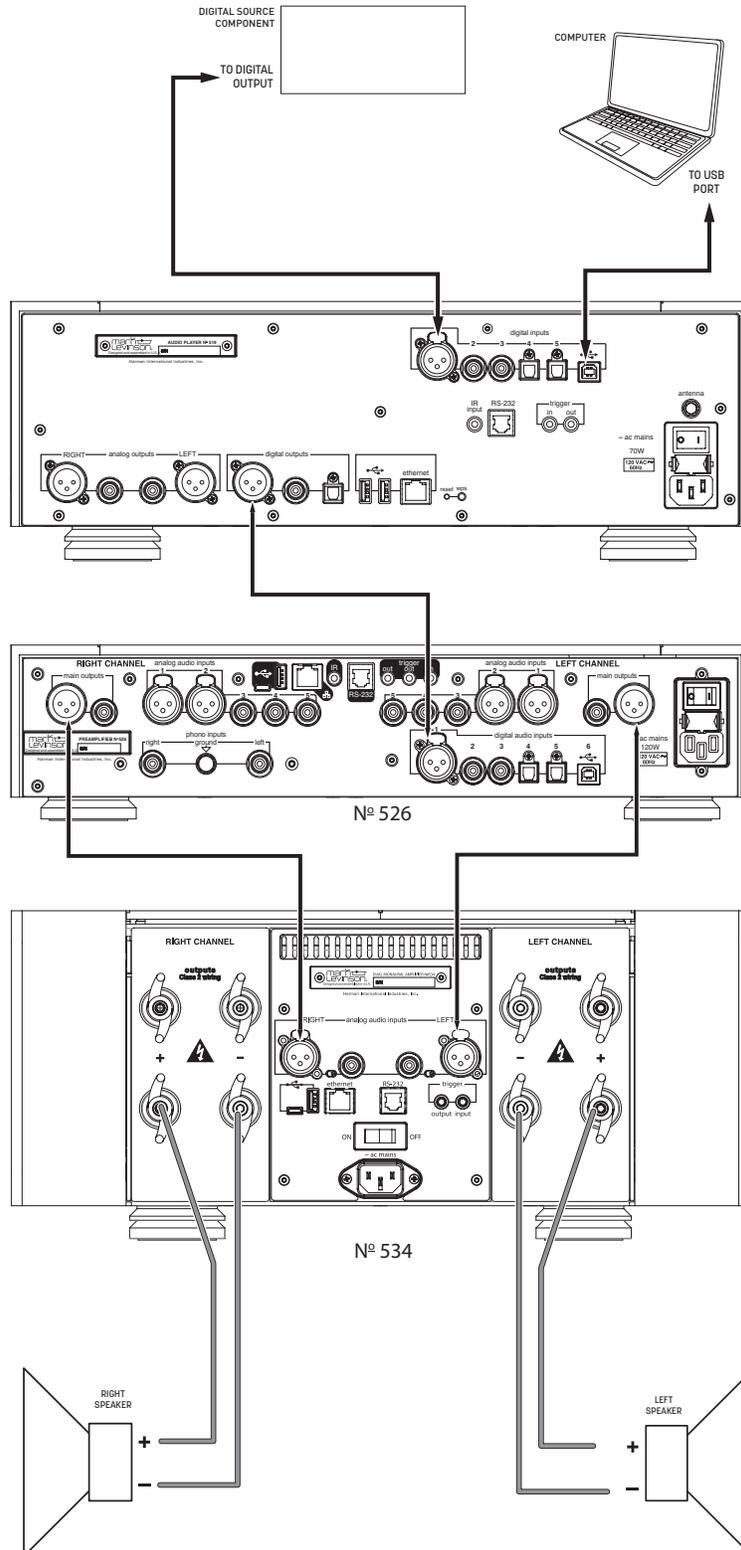
Nº 519 System Configuration Examples

Nº 519 connected to a preamp using the analog outputs

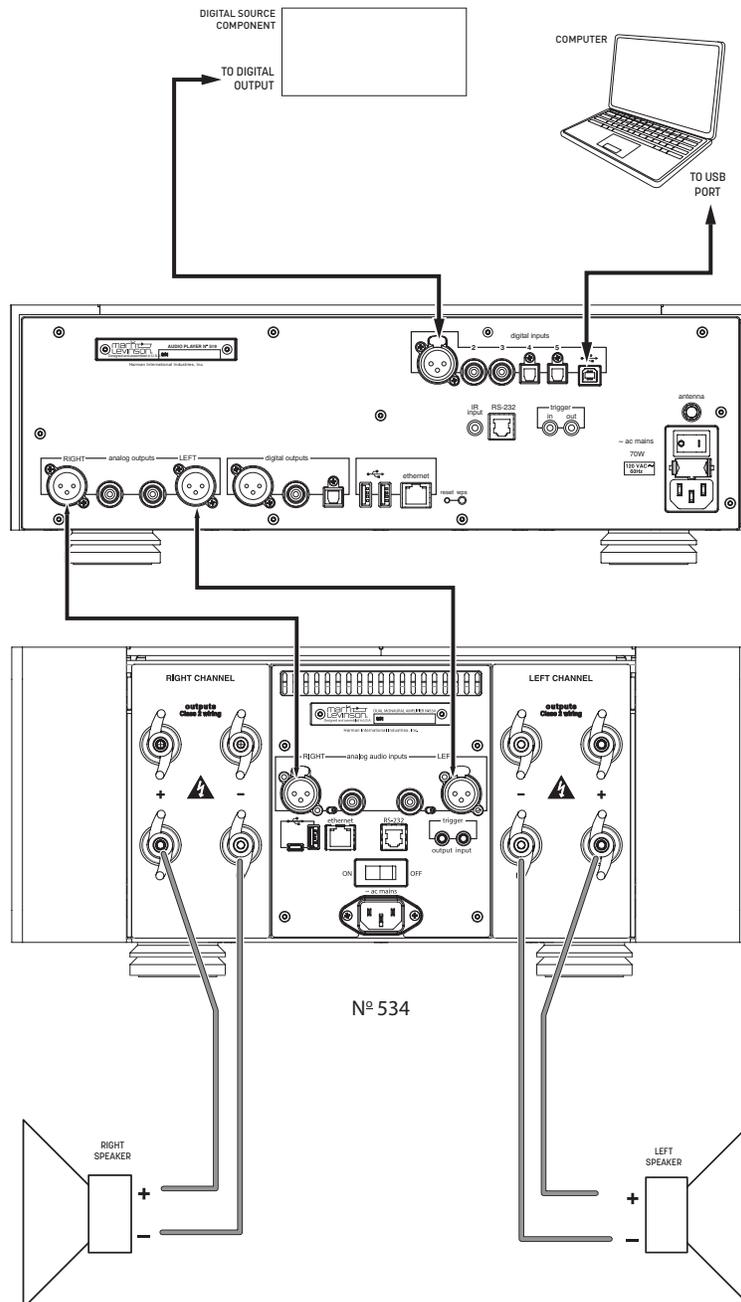


ENGLISH

Nº 519 connected to a preamp using the digital outputs



Nº 519 connected directly to a power amplifier



WI-FI SETUP

Mark Levinson recommends using a wired network for the best performance. However, if you do not have access to a wired network connection where your unit is located, follow these Wi-Fi Setup steps. The unit will connect via wired OR wireless network method, so if using a Wired network connection, there is no need to follow the Wi-Fi Setup steps.

WPS METHOD

Your N° 519 comes with WPS (Wi-Fi Protected Setup) functionality via a WPS button on the back panel. This allows the unit to easily connect to any WPS enabled router. Simply press the WPS button on the router, and then press the WPS button on the rear of the unit, or the *Start WPS* option under *Network > Configure > Wireless*. WPS automatically sends the network password and the device remembers it for future use. The N° 519 will be able to connect to the same network in the future without you having to use the WPS button again.

SoftAP METHOD

If your router does not have WPS, or you cannot access it, follow these steps to connect:

1. After following the steps in the Initial Connections section, locate the Wi-Fi network settings on your iOS or Android device and connect to the "M.L. N° 519 ..." network.
2. This connection is broadcasted from the N° 519 itself, and allows full control over the unit using the ML Control app.
3. Open the Mark Levinson Control app on your iOS or Android device, tap the N° 519 and then tap *Settings > Network > Configure > Wireless > Scan available networks*.
4. Tap the name of the Wi-Fi network > Key > enter your network password > tap OK.
5. Tap Connect, and your N° 519 will connect to the network.
6. On your iOS or Android device, navigate to its Wi-Fi network settings and connect to the same network. You can now control your N° 519 from your device.

If you do not have an iOS or Android device, temporarily relocate and connect the N° 519 to your wired network.

1. Ensure that your N° 519 and computer are both connected to the same network.
2. From the N° 519's front panel, go to *Settings > Network > scroll down to IP Address*. Type the player's IP address from its front panel display into your computer's web browser, and press return.

3. From the interface that appears in your browser, navigate to *Settings > Network > Configure > Wireless > Scan available networks*.
4. Click the name of the Wi-Fi network > Key > enter your network password > click OK.
5. Click Connect, and your N° 519 will connect to the Wi-Fi network.
6. You can now unplug and relocate your player to its permanent location. It will retain the network setting changes you have made while unplugged. Return to the Initial Connections directions above, starting from item 4.

BLUETOOTH SETUP

Your N° 519 comes featuring Bluetooth connectivity. Bluetooth allows you to stream media from Bluetooth devices wirelessly.

1. Enable Bluetooth on your Bluetooth Phone, tablet, computer or other device.
2. Make sure your N° 519 is powered and out of standby.
3. If you know the name of your N° 519 you can select from the list of available devices in your Bluetooth Phone, tablet, computer or other device.
4. Upon successful pairing, the N° 519 will switch to the Bluetooth Input and display a new screen with the current media if it is playing.

Otherwise:

1. Navigate to the Bluetooth input with the input knob and verify the proper name for the unit.
2. Select the option *Connect to N° 519* and search for available devices on your Bluetooth Phone, tablet, computer or other device.
3. Select the N° 519 on your Bluetooth Phone, tablet, computer or other device and pair.
4. Upon successful pairing, the N° 519 will display a new screen with the current song.

To reconnect in the future, you can reconnect using your Bluetooth Phone, tablet, computer or other device, or by selecting *Reconnect to previously paired device* on the N° 519. Unpairing the devices may be done in the Bluetooth Phone, tablet, computer or other device, under Bluetooth settings.

When you change to a different input on your N° 519, your Bluetooth Phone, tablet, computer or other device will stay connected but will be paused.

If you put the N° 519 in Standby any connected Bluetooth device will be disconnected. (Green standby only)

USING SPOTIFY CONNECT



A better way to listen at home

Spotify Connect lets you play Spotify through your home speakers or TV, using the Spotify app as remote. You'll need a Spotify Premium account to use Spotify Connect. If you don't have it, just go to <http://www.spotify.com/freetrial> for your **free 30-day trial**.

1. Connect your N° 519 to the same Wi-Fi network as your phone, tablet, or computer running the Spotify app.
2. Open the Spotify app, and play any song.
3. Tap the song image in the bottom left of the screen.
4. Tap the Connect icon. 
5. Pick your N° 519 from the list.

For more information on how to set up and use Spotify Connect please visit www.spotify.com/connect.

USING TIDAL, DEEZER, AND QOBUZ

The N° 519 also integrates music streaming services TIDAL, Deezer, and Qobuz. (subscription required)

It is best to enter your credentials using the Web Page or App. If these are not available use the front panel method described below.

1. To connect to any of these, navigate to their respective inputs, and you will be prompted for a username and password.
2. Select your username and enter your credentials using the volume knob, and the Next/Previous buttons.
3. Once done, use the select button to return to the menu, and do the same for your password.
4. Log in.

Once logged in, you will have full access of each streaming service, right from the N° 519.

SETTINGS MENU

SETUP MENU NAVIGATION

Pressing the Settings button displays the Settings menu on the N° 519's front-panel display. When the Settings menu is active...

- use the Volume/Value knob to scroll through options,
- use the Select button to select and deselect options,
- use the Volume/Value knob to adjust parameters,
- to move back a level in the menu structure, press the Back button repeatedly until the desired menu is shown in the display,
- to exit the Settings menu, press the Settings button.
- Use Previous and Next to move horizontally when entering letters and numbers.

SETTINGS

- **Volume & Balance:** This menu allows you to adjust the volume and balance of the output channels
 - o **Balance:** use this setting to pan the output to the left or right channel.
 - o **Max Volume Level:** adjust this setting to limit the maximum volume output from the N° 519.
 - o **Mute Volume Level:** adjust this setting to change the volume level the N° 519 goes to when muted.
 - o **Turn-On Volume Level:** when turning on, the N° 519 will be set to this volume level.
 - o **Phones Turn-On Vol:** when turning on, the N° 519 headphone output will be set to this volume.
 - o **Last Volume as Turn-On Volume Level:** When this option is checked, the N° 519 will save the output and headphone volume levels when the unit is put into standby, maintaining them when the unit is powered up next time. Note that the Turn-On Volume Level and Phones Turn-On Vol settings are disabled when this option is enabled.
 - o **Output Volume:** this setting toggles the Balanced and Single-Ended outputs between Variable and Line (fixed level) modes.
 - **Variable:** use this setting when you have connected the Balanced or Single-ended outputs to an external preamplifier, amplifier, or powered loudspeakers. The output level will vary with the level of the volume control.
 - **Line (Fixed):** use this setting when you have connected the Balanced or Single-ended outputs to a recording device. The outputs will remain at a fixed level regardless of the volume control level.

- Note: the Headphone output is always Variable.
- **Operation:** This menu controls the operation of the N° 519
 - o **Power Management**
 - **Standby:** this setting lets you set the Standby mode to one of the following options: Green, Power Save, and Normal.
 - **Green:** *This mode removes power from almost all of the circuits, allowing the N° 519 to be activated only via an IR control signal, a 5V – 12V trigger or a press of the Standby button. This mode provides maximum power conservation and is the factory-default Standby mode.*
 - **Power Save:** *This mode removes power from the audio circuits, but keeps the control and streaming circuitry powered and ready to receive commands from either the front panel controls or the remote control. This mode provides moderate power conservation.*
 - **Normal:** *This mode shuts off the display and mutes its audio outputs, but keeps all of its control, streaming, and audio circuits powered. This mode provides the least amount of power conservation but allows the audio circuits to remain warmed up to deliver optimal performance at all times.*
 - **Auto Off:** this setting lets you engage or disengage the Auto Off function, which puts your N° 519 into the Standby mode after 20 minutes of inactivity (no audio signal, and no control input).
 - o **Remote Control**
 - **Trigger:** (Normal/Pulsed) This setting configures how the 12V trigger relay data is sent and received. Most components require this to be set at "Normal," but some products (such as some older Mark Levinson components) require that it be set to Pulsed.
 - **Front IR:** this toggle allows you to turn the N° 519's front IR receiver on or off. If you have connected the N° 519's rear-panel IR input to an IR control device, set the Front IR receiver to Off to avoid interference.

- o *Display*: this menu gives you access to the following display parameters:
 - *Display Intensity*: lets you set the brightness of your display to High, Medium, or Low. The factory default setting is High.
 - *Display Timeout*: lets you choose how long the display remains lit after the last time a control is operated. Choose from 5 seconds, 10 seconds, 20 seconds, 30 seconds, or disable it.
- *Input Setup*: The Input Setup menu allows you to customize the following parameters for the selected input.
 - o *Enabled*: use this setting to enable or disable the input from displaying in the Input menu (when turning the Input knob)
 - o *Name*: use this setting to rename an input to a custom name of your preference. Note that the Bluetooth, Network, and streaming services cannot be renamed.
 - o *Offset*: the output level of audio devices can vary between brands and models, making some devices sound louder or quieter than others. The Offset adjustment allows you to precisely compensate for that variance, allowing all associated devices in your system to output at a similar volume level. The setting offers a range of -10dB to +10dB, in 0.5dB steps. Whenever an input is selected, the N° 519 applies the setting of the Offset parameter to the volume level of the outputs.
 - o *DAC Filter (PCM)*: this setting lets you set the filter characteristic:
 - *FAST*: this filter has a steep roll-off characteristic that may be better suited when listening to electric or electronic music
 - *SLOW*: this filter has a gradual roll-off characteristic that is well suited to most types of music
 - *MPHAS*: this is a minimum-phase filter that may be better suited when listening to acoustic music
 - Although the above descriptions are offered as a guide, feel free to set the DAC filter according to your own tastes
 - o *Clari-Fi*: setting this option to ON activates HARMAN Clari-Fi® music restoration technology circuitry for the selected input. Clari-Fi analyzes compressed digital audio files during playback and reconstructs what was lost in the compression process.
 - *Clari-Fi Intensity*: The Intensity control adjusts the amount of reconstruction applied to the signal, and can be applied according to your individual taste – there is no “correct” amount.
 - o *DSD Filter (USB Audio and Network inputs only)*: The DSD Filter is a low-pass filter that can be set to 47kHz, 50kHz, 60kHz, or 70kHz to reduce unwanted ultrasonic noise. There is no “correct” setting for the DSD filter: it can be set according to personal preference or to suit the type of music to which you are listening.
 - o *Play CD upon insertion (CD input only)*: when enabled, a CD will automatically begin playback when inserted.
- *Network*: this menu offers access to the following network-related parameters
 - o *Wi-Fi/Wired*: this setting displays the current network mode for the N° 519: Wireless, Wi-Fi, or SoftAP.
 - *SoftAP*: this mode enables convenient first-time setup by broadcasting a network from the N° 519. To use SoftAP, follows the instructions in QUICK SETUP AND LISTEN > Wi-Fi Setup. The Wi-Fi icon at the top of the screen will appear with an exclamation point when in SoftAP mode.
 - o *Unit Name*: displays a customizable unit name that will appear when people interact with the N° 519.
 - o *IP*: shows the IP address currently assigned (by DHCP or manually) to your N° 519.
 - o *SSID*: displays the network name that the N° 519 is either connected to or broadcasting, depending on the mode.
 - o *Connection Details*: use this setting to view current network configurations.
 - *DHCP*: lets you toggle DHCP mode (network auto-configuration) on or off. The factory default setting is On. When the mode is set to Off, you can specify a static IP and Subnet address for your N° 519. NOTE: the setting under *Connection Details* is read-only. Access *Configure > Wired/Wireless* to toggle DHCP on and off.

- *Encryption*: shows the encryption method of the current network.
- *Subnet Mask*: shows the subnet address currently assigned (by DHCP or manually) to your N° 519.
- *Default Gateway*: shows the gateway address currently assigned (by DHCP or manually) to your N° 519.
- *DNS*: displays Domain Name System information about the connection.
- o *Configure*: use this setting to connect to wired or wireless networks.
 - *Connecting to a Wireless network*:
 - Ensure that *Connection Type* is set to Automatic or Wireless Only (and **not** Wired Only).
 - To connect via network name (SSID), either click *Scan available networks* or input the network name manually. If input manually, set the *Encryption* type as well (None/WEP/WPA-PSK). Enter the network key (password) if applicable, scroll down and click *Connect*.
 - To connect via WPS, first press the WPS button on your router, and then the WPS button on the rear of the N° 519. Alternatively, you can also use the *Start WPS* setting instead of the physical button, found under *Configure > Wireless*.
 - *Setting up a Wired network*:
 - Ensure that *Connection Type* is set to Automatic or Wired Only (and **not** Wireless Only).
 - Connect a network cable.
 - If Wired connection does not automatically connect, navigate to *Connect under Configure > Wired*.
 - If needed, you may disable DHCP and set a static IP under *Configure > Wired*.
 - *Setting up SoftAP*:
 - To activate SoftAP, navigate to *Configure > Wireless > Start SoftAP*.
 - If you are currently connected to a Wireless network, you will be disconnected, as the device will now broadcast its own network to which you can connect a mobile device or computer for setup and control.
- *System*: this folder contains options that affect the N° 519's system as a whole.
 - o *Software Version*: displays the current software version installed on the unit.
 - o *Config*: manage the system settings in this menu.
 - *Export Settings to a file*: export current unit settings (to a .tar file) onto USB drive.
 - *Import Settings from a file*: import unit settings from a .tar file on a USB drive.
 - *Lock Settings*: enable this setting to disallow changing any of the N° 519 unit settings. Your installer may have enabled this feature to prevent accidental changes to networking or other critical settings in your N° 519. If this is the case, we recommend you contact your dealer before changing any of your N° 519's settings.
 - o *Update Firmware*: lets you update your N° 519's firmware, either from a flash drive inserted in the rear-panel USB Type A port, or from our online server. You should allow the unit ample time to perform and finish the update; it will take a few minutes.
 - To update via a flash drive:
 - Insert flash drive with desired "sfupdate" file stored on it.
 - Select *USB Update – Update found on USB stick*.
 - To update via network:
 - The N° 519 will automatically notify you if there is an update available via a gear icon at the top of the screen.
 - Select *Check for update online*.
 - If there is a newer version available, the unit will give you the newer version number and the option to install.
 - o *Restore Factory Settings*: restore all settings to their factory defaults with this setting. All customized settings will be erased.

TROUBLESHOOTING

Incorrect operation is sometimes mistaken for malfunction. If problems occur, see this section for troubleshooting information. If problems persist, contact your authorized Mark Levinson dealer.

NO POWER

Examine the power cord to ensure that it is connected to both the AC mains connector and a working, unswitched electrical outlet.

Make sure the player is powered on with the rear-panel Power switch. Examine the electrical circuit breaker to ensure that power is being supplied to the electrical outlet to which the player is connected.

Make sure the player is not in standby. The front-panel standby LED illuminates fully and continually when the player is On. The LED flashes slowly when the player is in Standby mode.

REMOTE CONTROL DOES NOT OPERATE

Eliminate obstructions between the remote control IR transmitter and the IR receiver on the front-panel display. Make sure the rear-panel IR input connector is not being used.

Make sure the remote control is positioned within 17 feet (5m) of the front panel. If the chassis is placed inside a glass cabinet, tinted glass will reduce the remote control range.

Make sure the remote control signal is being received at the IR receiver on the front-panel display at a reasonable angle.

Make sure the IR receiver on the front-panel display is not exposed to strong sunlight, halogen light, or fluorescent light. This can cause IR reception to become unreliable.

Replace the remote control batteries.

NO SIGNAL AT THE OUTPUTS

Examine all audio cables to ensure a solid connection between the player and all associated components. Examine the speaker cables to ensure a solid connection between the player and the amplifiers or preamplifier to which it is connected. Make sure that the connected speakers are operational. Make sure the volume is set to an audible level.

Make sure the mute is deactivated. Make sure the Offset setting for the selected input is not reducing the volume to an inaudible level. Make sure all associated components are connected to working electrical outlets and powered on. Make sure the source device connected to the player's selected input is producing an output signal.

MISSING INPUT

Make sure the selected input has not been set to Disabled in the Input Setup menu.

AUDIO HUM

Disconnect components one at a time to isolate the problem.

Once the problem is identified, make sure the problematic component is properly grounded and connected to the same electrical circuit as the player.

VOLUME CAN'T BE SET TO MAXIMUM

You have the option of establishing a maximum volume level in the menu. If this option is set, it can prevent the unit's maximum volume level of 80.0 from being reached.

FRONT PANEL DISPLAY NOT WORKING AS EXPECTED

The display may be set to shut off after no front panel control activity. If the display does not come on when the volume control is rotated, contact your authorized Mark Levinson dealer. If the display does come on, and then shut off after a period, the "Display Timeout" setting can be adjusted to lengthen or shorten this period, or to keep the display illuminated continuously.

NO NETWORK CONNECTIVITY

Verify that the network cables are properly connected between the router, switch or hub and the preamp.

Verify the age of the router, switch or hub. If the router, switch or hub is more than ten years old, there may be a communication issue with the preamp. Power cycle the player and use a newer router, switch or hub between the network and the player.

IF ALL ELSE FAILS...

Power cycle the player with the rear-panel Power switch, waiting at least 10 seconds between powering the unit off and on.

Restore factory-default settings.

Contact your authorized Mark Levinson dealer.

Contact Mark Levinson Customer Service at 888-691-4171 or marklevinson.com.

MARK LEVINSON N^o 519 SPECIFICATIONS

1. Digital input sample rates and bit depth:	PCM: 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz/up to 32-bit; DSD: Native, single- and double-speed																
2. Analog audio connectors:	1 pair single-ended line outputs (RCA); 1 pair balanced line outputs (XLR); 1 headphone output (1/4-inch TS phone)																
3. Digital audio connectors:	1 balanced AES/EBU input (XLR); 2 coaxial S/PDIF inputs (RCA); 2 optical inputs (Toslink); 1 asynchronous USB input (USB-B); 1 balanced AES/EBU output (XLR); 1 coaxial S/PDIF output (RCA); 1 optical output (Toslink)																
4. Control connectors:	1 RS-232 port (RJ-11 connector); 1 IR input (1/8" TS phone); 2 programmable 12V DC trigger outputs (1/8" TS phone), 100mA maximum; 1 programmable 12 DC trigger input (1/8" TS phone); 1 gigabit Ethernet connector (RJ-45 connector); 2 USB-A (mass storage, firmware update, and configuration I/O); 1 Micro USB (device discovery)																
5. Wireless:	Wi-Fi 802.11b/g/n/a, Bluetooth with aptX codec Bluetooth range: 15m/50ft																
6. Mains voltage:	100V AC, 115V AC, or 230V AC (set at the factory for the region for which the unit is intended)																
7. Power consumption:	<table border="1"> <thead> <tr> <th></th> <th>WITHOUT HEADPHONE</th> <th>WITH HEADPHONE</th> </tr> </thead> <tbody> <tr> <td>On:</td> <td>39W</td> <td>50W</td> </tr> <tr> <td>Normal Standby:</td> <td>33W</td> <td>46W</td> </tr> <tr> <td>Power Save Standby:</td> <td>10W</td> <td>10W</td> </tr> <tr> <td>Green Standby (Default):</td> <td>0.4W</td> <td>0.4W</td> </tr> </tbody> </table>			WITHOUT HEADPHONE	WITH HEADPHONE	On:	39W	50W	Normal Standby:	33W	46W	Power Save Standby:	10W	10W	Green Standby (Default):	0.4W	0.4W
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Green Standby (Default):	0.4W	0.4W															
8. Operating temperature range:	50°F (10°C) ... 104°F (40°C)																
9. Unit dimensions:	Height: 5.75" [146mm] Width: 17.25" [438mm] Depth: 16" [406mm] Weight: 36 lbs. [16.4kg]																
With Packaging:	Height: 17" [432mm] Width: 26" [660mm] Depth: 26" [660mm] Weight: 56 lbs [25.5kg]																



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The installer of this radio equipment must ensure that the antenna is located of pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website, http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio_guide-lignes_direct/index-eng.php.

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm

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For customer service and product shipment information, refer to our website: marklevinson.com

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