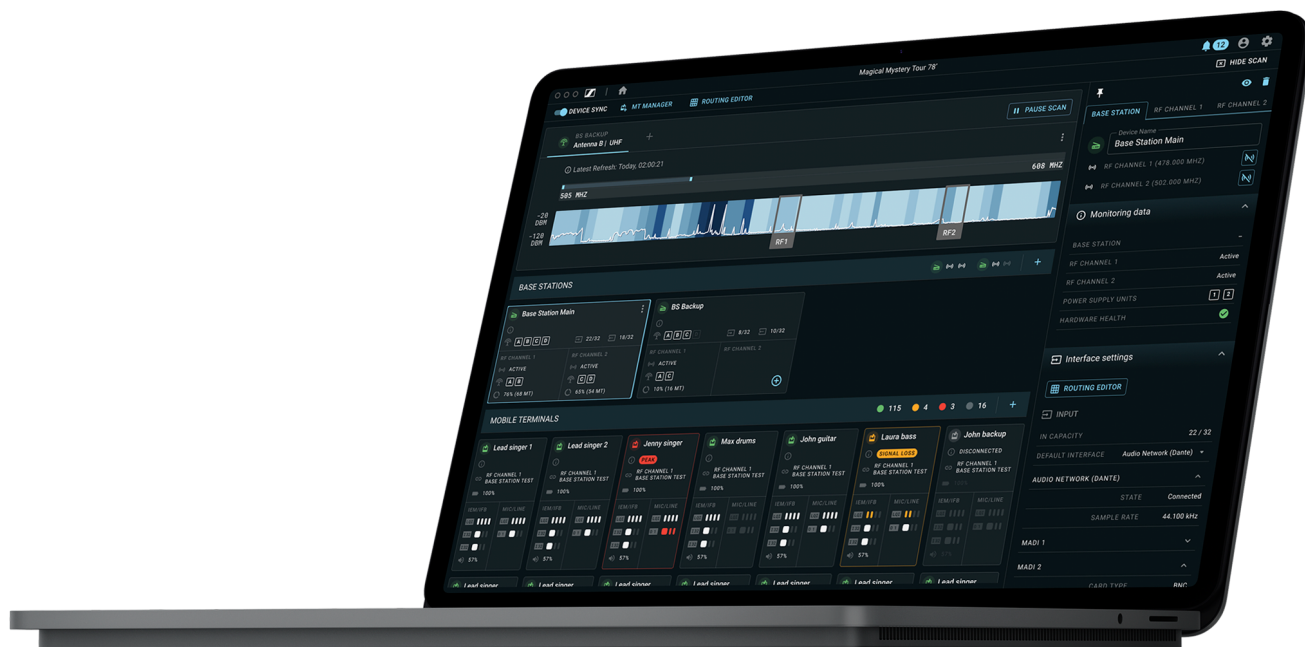




LinkDesk

Release notes - version 1.4.1



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1. System overview & requirements

System requirements

- Intel i5 Dual Core processor/M1 Mac/or similar
- 16 GB RAM
- At least 4 GB hard disk space (5 GB for Mac devices)
- Gigabit LAN interface
- Windows® 10, 11, Server 2019, Server 2022 (x64) or higher
- Mac OS Big Sonoma or later
- IPv4 network

Compatible Sennheiser products

- Base Station
- DAD UHF antenna
- DAD 1G4 antenna
- SEK UHF mobile device
- SEK 1G4 mobile device

Port requirements

Address	Port	Protocol	Type	Service	Usage
Host Internal					
LOCALHOST	54352	HTTPS (TCP)	Unicast	LinkDesk backend	Internal backend communication
Requests from host to ...					
ANY IP of a Base Station	443	HTTPS (TCP)	Unicast	SSCv2 - Spectera Base Station API	Monitor+Control communication to devices
Sennheiser CIAM addresses ¹	443	HTTPS (TCP)	Unicast	Sennheiser CIAM	Sennheiser account Sign-in/Log-in
Sennheiser User Insights addresses ²	443	HTTPS (TCP)	Unicast	Sennheiser User Insights	Analytics of usage and operational data
Requests to host from ...					
224.0.0.251	5353	mDNS (UDP)	Multicast	mDNS, DNS-SD	(optional - if desired) Device/service discovery

¹ accounts-pro-emea.sennheiser-cloud.com



Address	Port	Protocol	Type	Service	Usage
b2c-config.sennheisercloud.com					
² sennheiseruserinsights.matomo.cloud					
cdn.matomo.cloud					

Download

sennheiser.com/linkdesk



2. Current release

Latest information on the LinkDesk software, including detailed descriptions of features, bug fixes, and known issues.

Version 1.4.1

New features

User-controlled configuration pull

- Added option to pull configuration from the Base Station into LinkDesk during the matching process

Reordering mobile devices in production view

- The order of mobile devices can now be rearranged and will persist across sessions.

Enhanced audio group management in Routing Editor matrix

- To streamline workflows and optimize RF capacity, we've introduced several usability improvements to the Routing Editor matrix:
 - mobile devices can now be added to or removed from audio groups directly within the matrix interface—no need to navigate away
 - when removing devices from groups, the system automatically checks RF capacity to maintain stability and prevent overload
 - audio groups can be merged seamlessly, simplifying management and reducing configuration time

Additional device properties have been added to improve visibility and control

- RF Scan/ DAD: the resolutional bandwidth and sweep time can be adapted via the context tray of the scan per scanning DAD
- Base Station & RF channel:
 - The basic interference information has been added
 - The **RF AT STARTUP** function now enables users to choose whether the channel should start in a muted, unmuted, or last status state
- Mobile device:
 - The basic interference information has been added
 - New features (Cable Emulation & Test Tone) have been implemented
- Additional links to the local WebUI instance have been implemented for easy navigation and quick accessibility.
- The "Unpair" and "Remove" steps for MDs in LinkDesk, accessed through the three-dot menu, have been updated to include an additional security step.



Bug fix

- Several bug fixes and optimizations

Known issues

Installation

- **Information for beta testers:**

If you had a previous version of LinkDesk installed: due to improvements in the database migration, your existing databases will not be automatically imported.

Device connection - Base Station recovery

- After a factory reset, failed firmware update or when being in use by another production, the Base Station cannot be reloaded or claimed using the "Reload" button on its device card. To restore the connection, please use the Device Sync toggle instead.

Device synchronization

- If the mobile devices in a production are no longer paired with the Base Station, they will be removed from the production. You will need to re-pair and re-configure them.
- If the network settings (IP address) of a Base Station in a production are changed, it cannot be synced again and will remain disconnected as long as the IP address differs from that stored in the production.
Workaround: update the IP address on the Base Station to match the one stored in LinkDesk, then sync again.
- In rare cases, pushing the configuration to the Base Station may fail.
Workaround: Add the affected Base Station to a new production setup, select "Reset Configuration", and then re-sync it to the intended production.
- Existing devices (Base Station and mobile devices) in a production cannot be swapped with other or new devices at this time.
- In rare cases, antennas may not be detected after triggering the device synchronization process. Re-triggering the process can resolve the issue.
- In rare cases, device synchronization process might be triggered randomly.
- In rare cases, on extensive usage or heavy data load, LinkDesk might shortly disconnect from the Base Station.
- When having many devices in a production, some of them can still be shown as connected even though the production is offline

Pairing

- In rare instances, pairing may result in duplicate mobile device cards appearing.
Workaround: to resolve this, toggle the device sync button off and then on again.



FW update

- In some cases, not all mobile devices may be visible during a firmware update.
- Please avoid locking your PC during the firmware update, as it may cause the process to stop.

Base Station states

- As part of ongoing development, the Standby state of the Base Station is not yet visualized in LinkDesk. In order to wake up the Base Station, please press the button directly on the device.

Frequency Scan

- In some cases, when having multiple antennas in scan overload their reference level properties can get mixed up.

Dante® audio interface status

- When the Dante® Primary Control cable is disconnected from the Base Station, the system may incorrectly display a 'Connected' status.
Workaround: if you experience issues with Dante®, please use the Spectera WebUI to check the system status and settings.

Mobile device

- In some cases with < 100 mobile devices in a production, some mobile devices are shown online when the Device Sync Toogle goes to **Off**.

Routing Editor

- As part of ongoing development, routing deletion is currently only possible by resetting the Audio Link Mode. Before performing a reset, please ensure that individual SEs are removed from any group to avoid unintended changes.
- When being close to the capacity maximum of the RF Channel and then moving an mobile device out of a group, there is no proper notification for "not enough capacity left".



3. Previous releases

Information on the previous versions of the LinkDesk software, including detailed information on included features, bug fixes, and known issues.

i Please navigate to the desired version in order to view the past content.

Version 1.3.0

New features

- Drag & Drop functionality for mobile device cards in the production view
- Antenna validation: Displaying if an incompatible antenna type (UHF or 1G4) is connected to an antenna port that is already assigned to an existing RF channel (UHF or 1G4)

Improvements

- Improved guidance during license activation

Bug fix

- Several bug fixes and optimizations

Known issues

Installation

- **Information for beta testers:**

If you had a previous version of LinkDesk installed: due to improvements in the database migration, your existing databases will not be automatically imported.

Device synchronization

- If the mobile devices in a production are no longer paired with the Base Station, they will be removed from the production. You will need to re-pair and re-configure them.
- If the network settings (IP address) of a Base Station in a production are changed, it cannot be synced again and will remain disconnected as long as the IP address differs from that stored in the production.

Workaround: update the IP address on the Base Station to match the one stored in LinkDesk, then sync again.

- Existing devices (Base Station and mobile devices) in a production cannot be swapped with other or new devices at this time.



- In rare cases, antennas may not be detected after triggering the device synchronization process. Re-triggering the process can resolve the issue.
- In rare cases, device synchronization process might be triggered randomly.
- In rare cases, on extensive usage or heavy data load, LinkDesk might shortly disconnect from the Base Station.

Pairing

- In rare instances, pairing may result in duplicate mobile device cards appearing.
Workaround: to resolve this, toggle the device sync button off and then on again.

FW update

- In some cases, not all mobile devices may be visible during a firmware update.
- Please avoid locking your PC during the firmware update, as it may cause the process to stop.

Frequency Scan

- In some cases, when having multiple antennas in scan overload their reference level properties can get mixed up.

Dante® audio interface status

- When the Dante® Primary Control cable is disconnected from the Base Station, the system may incorrectly display a 'Connected' status.
Workaround: if you experience issues with Dante®, please use the Spectera WebUI to check the system status and settings.

MD setup

- During the configuration of the Audio Link Mode, a temporary Signal Loss Warning may be displayed on the SEK card. This is caused by the data refresh timing.

i Please note that ungrouping an audio group in the routing editor will result in all associated SEKs losing their routing assignments and link mode.

Base Station states

- The standby state is not yet propagated on LinkDesk, but the functionality already exists on the Base Station and in the WebUI.



Version 1.2.1

Improvements

- Guidance & confirmation step on ungrouping Audio Links

Known issues

Installation

- **Information for beta testers:**

If you had a previous version of LinkDesk installed: due to improvements in the database migration, your existing databases will not be automatically imported.

Log-In

- If you log in into your Sennheiser Account during app startup, the startup animation might be displayed a second time afterwards.

Reset Base Station when adding to production

- If there are 50+ mobile devices and numerous audio links set up, it may take a few attempts to successfully reset the Base Station when adding it to a production.

Device synchronization

- If the mobile devices in a production are no longer paired with the Base Station, they will be removed from the production. You will need to re-pair and re-configure them.
- If the network settings (IP address) of a Base Station in a production are changed, it cannot be synced again and will remain disconnected as long as the IP address differs from that stored in the production.

Workaround: update the IP address on the Base Station to match the one stored in LinkDesk, then sync again.

- Existing devices (Base Station and mobile devices) in a production cannot be swapped with other or new devices at this time.
- In rare cases, antennas may not be detected after triggering the device synchronization process. Re-triggering the process can resolve the issue.

Pairing

- In rare instances, pairing may result in duplicate mobile device cards appearing.
Workaround: to resolve this, toggle the device sync button off and then on again.



Antenna validation

- Currently, no error is displayed if an incompatible antenna type (UHF or 1G4) is connected to an antenna port that is already assigned to an existing RF channel (UHF or 1G4).

FW update

- In some cases, not all mobile devices may be visible during a firmware update.
- Please avoid locking your PC during the firmware update, as it may cause the process to stop.

Dante® audio interface status

- When the Dante® Primary Control cable is disconnected from the Base Station, the system may incorrectly display a 'Connected' status.

Workaround: if you experience issues with Dante®, please use the Spectera WebUI to check the system status and settings.

MD setup

- During the configuration of the Audio Link Mode, a temporary Signal Loss Warning may be displayed on the SEK card. This is caused by the data refresh timing.

i Please note that ungrouping an audio group in the routing editor will result in all associated SEKs losing their routing assignments and link mode.



Version 1.2.0

New features

- Optimization of audio level visualization on SEK card
- SEK Card States - Battery Low and Signal Loss
- IEM Headphone Detection
- Enabling the usage of Enter keystroke in Input fields & first steps on keyboard navigation
- Manually select DADs to remove them from an RF Channel

Improvements

- Higher security level for RF mute and unmute setting
- Inform, Opt-In, Opt-Out for production data tracking

Bug fix

- Several bug fixes and optimizations

Known issues

Installation

- **Information for beta testers:**

If you had a previous version of LinkDesk installed: due to improvements in the database migration, your existing databases will not be automatically imported.

Log-In

- If you log in into your Sennheiser Account during app startup, the startup animation might be displayed a second time afterwards.

Reset Base Station when adding to production

- If there are 50+ mobile devices and numerous audio links set up, it may take a few attempts to successfully reset the Base Station when adding it to a production.

Device synchronization

- If the mobile devices in a production are no longer paired with the Base Station, they will be removed from the production. You will need to re-pair and re-configure them.
- If the network settings (IP address) of a Base Station in a production are changed, it cannot be synced again and will remain disconnected as long as the IP address differs from that stored in the production.



Workaround: update the IP address on the Base Station to match the one stored in LinkDesk, then sync again.

- Existing devices (Base Station and mobile devices) in a production cannot be swapped with other or new devices at this time.
- In rare cases, antennas may not be detected after triggering the device synchronization process. Re-triggering the process can resolve the issue.

Pairing

- In rare instances, pairing may result in duplicate mobile device cards appearing.

Workaround: to resolve this, toggle the device sync button off and then on again.

Antenna validation

- Currently, no error is displayed if an incompatible antenna type (UHF or 1G4) is connected to an antenna port that is already assigned to an existing RF channel (UHF or 1G4).

FW update

- In some cases, not all mobile devices may be visible during a firmware update.
- Please avoid locking your PC during the firmware update, as it may cause the process to stop.

Dante® audio interface status

- When the Dante® Primary Control cable is disconnected from the Base Station, the system may incorrectly display a 'Connected' status.

Workaround: if you experience issues with Dante®, please use the Spectera WebUI to check the system status and settings.

MD setup

- During the configuration of the Audio Link Mode, a temporary Signal Loss Warning may be displayed on the SEK card. This is caused by the data refresh timing.

i Please note that ungrouping an audio group in the routing editor will result in all associated SEKs losing their routing assignments and link mode.



Version 1.0.0

New Features

- Secure pairing code, including confirmation when pairing with mobile devices
- Edit start, center, or end values to set channel frequency
- Error handling for license activation process
- Firmware cross-version compatibility check
- Allow updating Base Station if firmware mismatch occurs when adding Base Station to production environment
- Visualize antenna upgrade process
- Handle key status of Base Station and visualize on card
- Security: Save and check Base Station's certificate
- Compare and match LinkDesk with device configuration when device reconnects

Improvements

- Performance improvements
- Database migration enhancements
- Frequency scan guidance
- RF channel mode window improvements
- Base Station name validation

Bug Fixes

- Multiple bug fixes and optimizations

Known Issues

Installation

If you have installed an older version of LinkDesk: Due to optimizations in the database migration mechanism, this upgrade will not automatically import the existing database.

Device Synchronization

- If mobile devices in the production environment are no longer paired with the Base Station, they will be removed from the production environment. You need to re-pair and reconfigure these devices.
- If the network settings (IP address) of the Base Station in the production environment change, it will not be able to synchronize again, and as long as its IP address does not match the address stored in the production environment, it will remain disconnected.

Workaround: Update the IP address on the Base Station to match the address stored in LinkDesk, then synchronize again.



- Currently, existing devices (Base Station and mobile devices) in the production environment cannot be replaced with other devices or new devices.
- In rare cases, after triggering the device synchronization process, the antenna may not be detected. Re-triggering the process can resolve this issue.

Pairing

- In rare cases, pairing may result in duplicate mobile device cards.

Workaround: To resolve this, turn off the device synchronization button and then turn it back on.

Antenna Validation

- Currently, if incompatible antenna types (UHF or 1G4) are connected to antenna ports assigned to existing RF channels (UHF or 1G4), no error will be displayed.

Antenna Validation

- In some cases, not all mobile devices may be visible during the firmware update process.
- Please avoid locking your computer during the firmware update, as this may cause the update process to stop.

