Evolution Wireless Digital - EW-DX

For conformity, consistency and compatibility reasons, we strongly recommend upgrading the system to the new release.

Firmware version 4.0.0 - release date 2025-07-15

- EW-DX EM 2 | EW-DX EM 2 Dante | EW-DX EM 4 Dante

Firmware version 4.0.1 - release date 2025-07-15

- EW-DX SKM | EW-DX SKM-S
- EW-DX SK | EW-DX SK 3-PIN
- EW-DX TS 3-pin | EW-DX TS 5-pin

> **i** **Important notice – device claiming required**
>
> Following the firmware update, a one-time claiming process is required between each device and your control software. This ensures secure pairing and encrypted communication.
>
> ▷ You will be prompted to claim the device the first time it is accessed after the update.

Features

- Supporting AES-256 Dante Media Encryption for Audio Streams.
- Implementation of Sennheiser Sound Control Version 2 Protocol for all control communication of the device.
- Network Reset for EW-DX EM 2 Dante and EW-DX EM 4 Dante devices through the menu device settings to reset the custom network settings to their factory settings on the device.

Resolved known issues and optimizations

- Fixed unintended AF Mute on SK/SKM-S for Ch 3 or Ch 4 after EW-DX EM 4 Dante reboot during CHG 70N interaction despite showing muted states.
- Fixed an issue where changing the manual IP of Dante® address remains in the network.
- Other bug fixes and optimizations.

Known issues

- After a migration update, devices may not appear automatically in the control application. This can occur due to discovery limitations in certain network environments with complex infrastructures. In this case you have to actively refresh the device list within the application software once.

Firmware update

The EW-DX firmware update requires the Sennheiser Control Cockpit (SCC) software, the Sennheiser Smart Assist App (SAA) or the Sennheiser Wireless Systems Manager (WSM) software:

www.sennheiser.com/control-cockpit-software

www.sennheiser.com/smart-assist-app

www.sennheiser.com/wsm

Previous releases

Firmware version 3.0.3 - Release date 2024-11-28

- Features
  - STP (Spanning Tree Protocol) can be enabled or disabled for EW-DX EM 2 Dante and EW-DX EM 4 Dante devices through the menu settings. The default state is 'On'.
- Resolved Known Issues and Optimizations
  - Improvement of Audio Mutings for certain wireless scenarios during A-B Antenna radio switching.
  - Resolved an issue where auxiliary data transmission would cause incorrect states when leaving and entering the wireless reception area.
  - Fixed an issue where a "walktest" would block access via client applications.
  - Addressed a problem where the receiver would not work properly with WSM, when the device was bonded with a mobile device.
  - Resolved a problem where updating the receiver to a new firmware version would keep the encrypted key without resyncing to the transmitter.
- Other bug fixes and optimizations.
- Know Issues
  - After modifying the Dante IP addresses of an EW-DX EM 2 Dante and EW-DX EM 4 Dante the previous Dante IP address remains valid in the network. Restarting the device after modifying the Dante IP configuration resolves this issue.

Firmware version 3.0.2 - Release date 2024-08-27

- Support of IGMP Snooping for single cable network mode
- Support of STP for network connectivity
- Network: Resolved the issue where additionally random mac addresses occur in using EW-DX EM 2 Dante and EW-DX EM 4 Dante
- Control: Fixed an issue where activating encryption at the receiver without resyncing the transmitter did not unlink the connection
- Control: Resolved the issue that might unexpectedly stops the operation of the receiver because the transmitter moved in the peripheral area of the receiving field
- Control: Resolved an issue where a frequency scan during a Wireless System Manager multiclient sessions become unresponsive
- Wireless System Manager: For future firmware updates the update process for EW-DX EM 2, EW-DX EM 2 Dante and EW-DX EM 4 Dante would not occasionally interrupt or result in incorrect progress information being displayed
- Other bug fixes and optimizations

Firmware version 3.0.0 - Release date 2024-03-08

- Support for EW-DX EM 4 Dante
- New feature "Device lock" for receiver to prevent accidentaly operations
- New feature "Walktest" for monitoring RF level
- New feature "AES67 Mode"
- Fixed issue "Audio drop outs in certain near field scenarios" for EW-DX EM 2 & EW-DX EM 2 Dante
- Fixed "Match configurations and channel sorting" with WSM software
- Several Bug fixes

Firmware version 2.0.1 - Release date 2023-11-20

- Support of EW-DX EM 2 Dante
- Support of EW-DX TS 3-pin and EW-DX TS 5-pin
- Support of Smart Assist App
- Implementation of RF level warning (Peak and low signal)
- New feature "Display brightness": Possibility the brightness of the receiver display
- Optimization of Auto Setup /Scan: the scan selects now the "best" free channel, with the lowest RF level independent from the position in the list
- Several Bug fixes

Firmware version 1.2.13 - Release date 2023-04-19

- Support of 802.1x
  Detailed instructions on how to implement 802.1x can be found in the download section of the product page at www.sennheiser.com/ew-dx
- Support of EW-DX devices in WSM
- Implementation of AF peak warnings
- Bug fix: The cable emulation settings for the SK could also be synced to the SKM. This bug has been resolved.
- Bug fix: After performing an update, the "Manual" IP mode was not working correctly. This bug has been resolved.
- Other bug fixes and optimizations

Firmware version 1.1.3 - Release date 2022-11-21

- Implementation of AES 256 encryption for the wireless links
- New entries in the receiver's menu for transmitter configuration:
  - Trim
  - LED functionality
  - Low cut
  - Cable emulation
  - Auto lock of transmitter buttons
  - Sync parameters
    The sync parameter menu entry offers the possibility to select which parameters should be synchronized to the transmitter. If a parameter is deactivated, a change of this parameter will not be synchronized to the transmitter
- Additional home screen with firmware information of receiver and transmitters (scroll to the right from home screen)
- Improved bargraph layout
- Bug fix: The link local address was changed after updating the firmware. This bug has been fixed.
- Other bug fixes and optimizations