STREAMIT

Iris Pro series

User Manual

for software version 1.8.0

Updated on 23/04/2026

Contents

EU Declaration of Conformity

CE This product carries the CE-Mark in accordance with the related European Directives. CE marking is the responsibility of Streamit B.V. The Netherlands.

Disclaimer

This manual has been validated and reviewed for accuracy. The instructions and descriptions it contains are accurate for the Streamit Iris devices at the time of this manual's production. However, later Iris devices and manuals are subject to change without notice. Streamit assumes no liability for damages incurred directly or indirectly from errors, omissions or discrepancies between Iris device and the manual.

Understanding of Instructions

WARNING: These are instructions which can cause harm to people or damage to the device if not followed properly. It is important to read and follow these instructions carefully.

IMPORTANT: These instructions are important in order to understand the correct behavior of the device.

Notices about trademarks

- The Iris family of devices is a registered trademark of Streamit
- Streamit is a registered trademark
- All other trade names that are used in this manual are owned by their respective owners

1 Getting started

This is the consolidated user manual for the Iris Pro Receiver and the Iris Pro Transmitter running software version 1.8.0.

We strongly recommend reading the manual thoroughly before you start installing and using the device for the first time.

1.1 Introduction

Iris devices connect high-quality audio systems wirelessly. Employing DECT technology and a highly versatile audio codec you can move full-band audio unfailingly and securely with minimal latency. Connect media players and audio mixers with your active or passive speakers reliably when wired connections are expensive or impractical.

The Iris Pro Transmitter broadcasts high quality audio to the receiver devices that have joined its network though the pairing mechanism.

Any receiver device (RX-device), including the Iris wireless amplifiers, are compatible with and interoperable with all available transmitter variants.

With the built-in relay control functionality, digital input pin changes on the transmitter get broadcasted to the digital output pins of all connected receivers, to control speakers and amplifiers and save energy.

Based on the application requirements, many Iris devices can be paired (wirelessly connected) to form wireless audio networks using the Iris Configurator app. Iris Configurator is the official companion app for the Iris series of wireless audio devices, to configure, manage, and monitor your networks quickly and effortlessly.

For more information on Streamit products and technologies, we invite you to visit our website (https://www.streamit.eu).

1.2 Important safety instructions

Use the following safety guidelines to help ensure your own personal safety and to help protect your equipment and working environment from potential damage.

1. Read these instructions.
2. Keep these instructions.
3. Follow all instructions.
4. Keep your equipment away from extremely hot or cold temperatures to ensure that it is used within the specified operating range:

   Operating temperature: -20°C to 50°C

   Humidity: 30% to 90%, RHL non-condensing
5. Install in accordance with the manufacturer's instructions.
6. Only use accessories specified by the manufacturer.

7. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.

8. The power supply and power cord for this product is intended for indoor use only.

9. Use only the supplied power adapter (if applicable).

2 Installation

This section of the manual covers the installation of your Iris audio networking devices, and includes some general installation notes.

2.1 Unpacking your device

Carefully unpack the device and the supplied materials. Make sure that all components listed in the table below are included:

Product name	Iris Pro Transmitter	Iris Pro Receiver	Iris Pro Starterkit
Article number	PTX-1	PRX-1	PSX-1
USB-A 5V/1A power supply	1x	1x	2x
USB-A to USB-C cable 2m	1x	1x	2x
Set of EU/UK/USA mains plugs	1x	1x	2x
Iris Pro Transmitter PTX-1	1x		1x
Iris Pro Receiver RX-1		1x	1x
External antenna	1x	1x	2x

2.2 Device appearance and connections

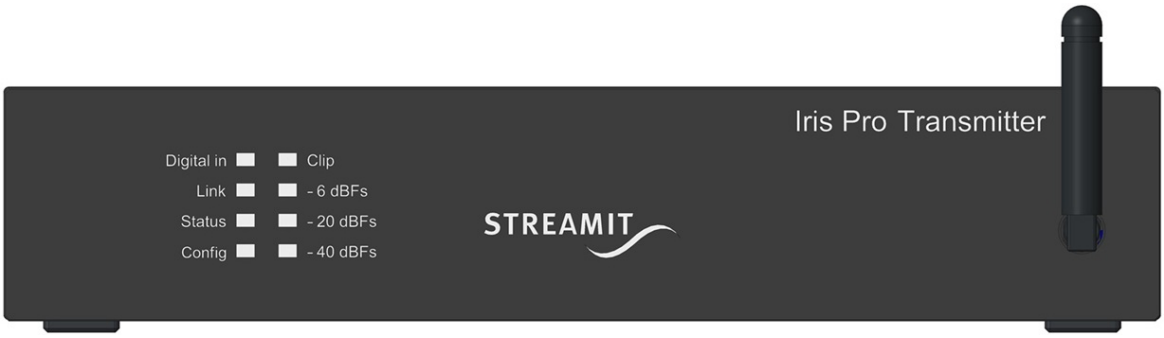
The Iris Pro Transmitter

The Iris Pro Transmitter also referred to as the TX-device, is connected at the audio source and it is the center point of your audio network. It can be placed standalone, or mounted in a 19" rack with the optional Streamit Rackmount kit.

Looking at the hardware, on the front side we find:

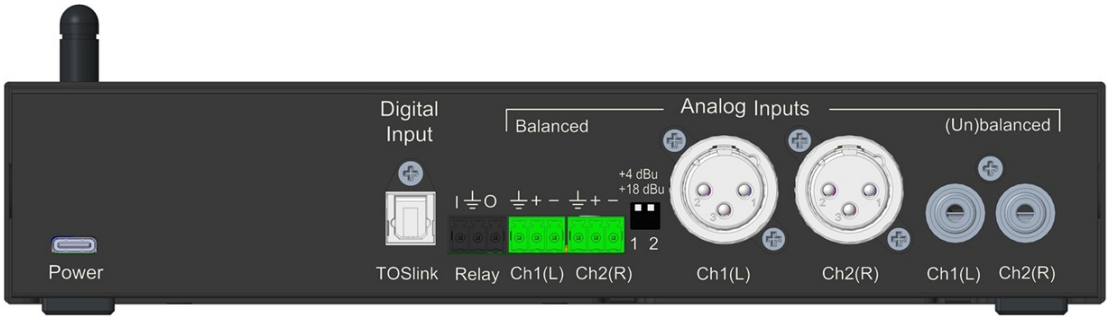
- Eight LEDs used to communicate status information and input audio levels

- The external antenna connector



On the back side we find:

- The USB-C connector used for power, audio input, configuration and firmware updates.
- The Toslink digital audio input connector.
- The Phoenix Contact plug for input relay control.
- Two Phoenix Contact plugs for balanced audio input.
- Two dip switches for selecting the maximum input level for each audio channel.
- Two female XLR connectors for balanced audio input.
- Two RCA connectors for balanced or unbalanced audio input.

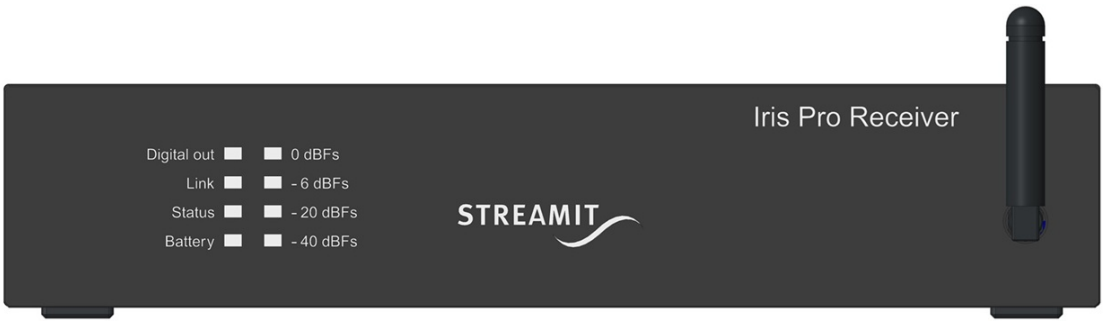


The Iris Pro Receiver

The Iris Pro Receiver also referred to as the RX-device, is connected at the playout location. It can be placed standalone, or mounted in a 19" rack with the optional Streamit Rackmount kit.

Looking at the hardware, on the front side we find:

- Eight LEDs used to communicate status information and output audio levels
- The external antenna connector



On the back side we find:

- The battery switch that activates the optional penlite battery power source
- The USB-C connector used for power, configuration and firmware updates.
- The Phoenix Contact plug for output relay control and factory reset.
- Two Phoenix Contact plugs for the balanced audio output.
- Two male XLR connectors for the balanced audio output.
- Two RCA connectors for the balanced audio output.

The bottom side provides access to the battery compartment, which features two 2-slot battery holders. This design allows for a power source of either 2 or 4 AA penlite batteries.

2.3 Connecting the Iris

Connecting the USB-C power supply

Select the correct power plug adapter for your mains socket and mount this to the base of the power adapter. Plug the power adapter to the mains outlet and plug the other side in the Iris. In the process we ask that you play careful attention to the following instructions:

⚠ Always ensure your hands are dry before plugging in or unplugging the power adapter from the mains.

⚠ Do not cut or damage the cord of the power adapter and do not place heavy objects on the cord. This can cause short-circuit, resulting in electrical shocks or even fire.

⚠ Pulling on the power cord can damage the wire or insulation, potentially causing electrical shocks or fire.

⚠ Using power adapters other than the one recommended for your Iris can result in overheating and damage to your device. This can cause fire, electrical shocks and other hazards. Always use the supplied power adapter.

⚠ Exposing your Iris to rapidly changing temperatures can result in condensation (small amount of water) on the inner and outer surface of your device. To ensure a long lifespan for your device, this should be avoided. If condensation occurs, wait until you device is completely dry before using it again.

Connecting the audio input on the TX-device

The Iris Pro Transmitter features multiple audio input interfaces, including a digital input via Toslink connector and various balanced analog input connectors. All inputs are wired in parallel, with no prioritization among them. Depending on the audio source and installation requirements, you should select the appropriate input interface, which will determine the type of cable needed for the installation. Please note that audio cables are not included.

! In case a mono audio mode is used, make sure that the input from the mono source is connected on the LEFT (Ch1) connector.

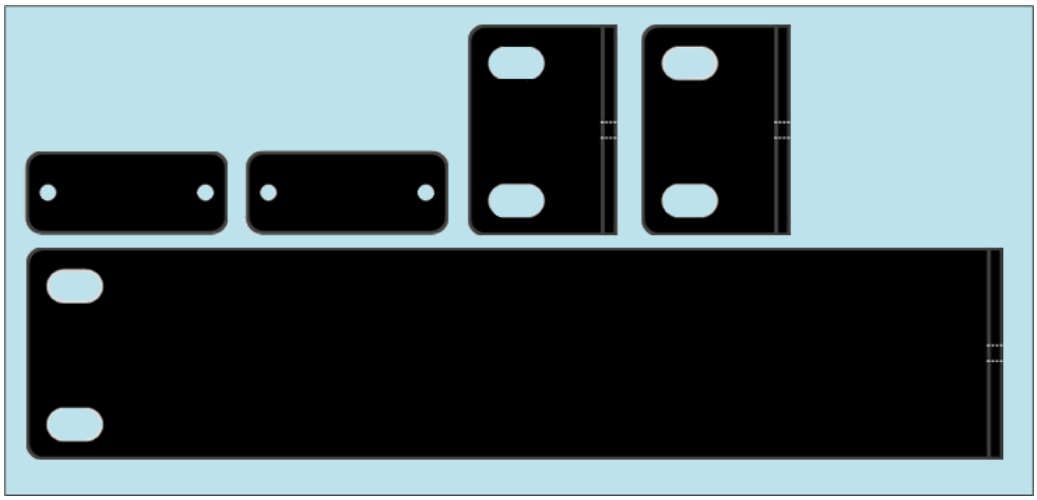
Connecting the audio output on the RX-device

The audio output of the RX-device will be connected to the line input of the audio installation or speaker system. The Iris Pro Receiver features multiple audio output interfaces. All outputs are wired in parallel with all outputs active, so you can select the one that best fits your audio installation or speaker cable. Please note that audio cables are not included.

! In case a mono audio mode is used, the same output will be present on both channels.

2.4 Rack Mount

The Iris Pro Series is designed for easy mounting in conventional 19 inch racks. For rack mounting, the Streamit Rackmount kit is required. This kit contains a total of 5 mounting plates as shown below. Using combination of these plates, it is possible to mount either one or two Iris Pro devices in a 19 inch rack.



Mount a single Iris Pro in a 19" rack

To mount a single Iris Pro device in an 19'' rack, we only make use of the large side mounting plate and one of the small side mounting plates. The sides of the Iris Pro has two screws and two small slot-looking openings in each.

1. Start with one sides of your Iris and remove the Phillips-head screws using an appropriate screwdriver.

2. Place the large side mounting plate as shown below. The holes of the mount plate will match those of the Iris Pro.

3. Carefully fasten the screws back on to bind the Iris together with the mounting plate.

The same is done for the other side, but in this case one of the small side mounting plates is used.

At this point the whole setup can be mounted in the rack by bolting the sides to the frame of the rack. It is recommended to connect the Lisa before mounting. All connections of the Lisa are located in the back and once mounted, the Lisa will not be as easy to access.

Mount two Iris Pro devices in a 19" rack

Mounting two Iris Pro devices in a 19'' rack requires using the two device-to-device mounting plates and the two small side mounting plates. Mounting the side plates is done in the same way as when mounting a single Iris Pro (please see above). You have to make sure that the plates are oriented from outside as shown below.

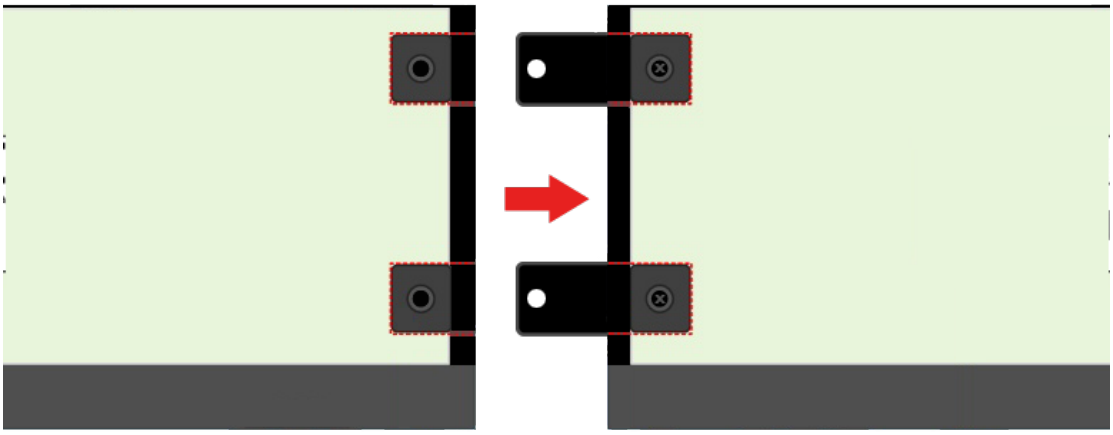
Next, connect the two devices together using the device-to-device mounting plates:

1. Turn the first device over. You will see it has four Phillips-head screws with black rubber feet, two for each side.

2. Using an appropriate screwdriver, remove the two feet on the side opposing the side mounting plate. The openings of the side now form slots with the same width as the device-to-device mounting plates and depth of half the length of the device-to-device mounting plates.

3. Fit the device-to-device mounting plates in the slots, the holes match with those of the device.

4. Carefully screw the rubber feet back on.



Now take the second device and remove the rubber feet just like you did with the first one then connect the two devices together by screwing the rubber feet of the second device back on. When properly done, the resulting setup will look same as the one shown below.

At this stage, the entire setup can be mounted in the rack by securing the sides to the frame with bolts. It is recommended to connect the Iris devices before mounting as all connections are located at the back, and once mounted are not easy to access.

2.5 Battery power

For added wireless freedom, the Iris Pro Receiver can be battery powered using batteries. The design allows for a power source of either 2 or 4 AA penlite batteries. Initial field tests have demonstrated that the device can operate for at least 24 hours with 2 batteries, and for a minimum of 48 hours when using 4 batteries.

The battery switch can be used to activate the battery power source.

2.6 General installation notes

For optimal performance of the audio network, proper placement of the devices is essential.

Attention needs to be paid to the following:

- Always try to have the TX-device placed in the “middle” of the installation.
- Make sure to fasten the external antenna tightly for improved range and stability.
- Try to place the products as high as possible and prevent moving obstacles between the devices.
- Use the Iris Configurator to monitor the received signal strength of your RX-device, and calibrate the antenna orientation for best reception.

Thanks to the stability of the solution, it is possible to install hundreds of devices at a single site. For such large installations, the following is important:

- There can be a maximum of 50 RX-devices in one audio network.
- There can be a maximum of 10 audio networks at one site.

3 Configuration

The configuration of your Iris audio networks is done using the Iris Configurator, the companion mobile app for Android and iOS.

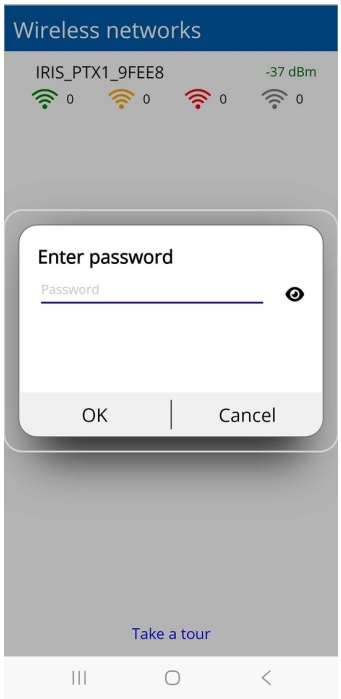
Programming of DSP presets in your AMP-devices requires the use of the PC tool Iris Service Tool. On site, when presets were already saved on the device, the Iris Configurator can be used for configuring the active preset.

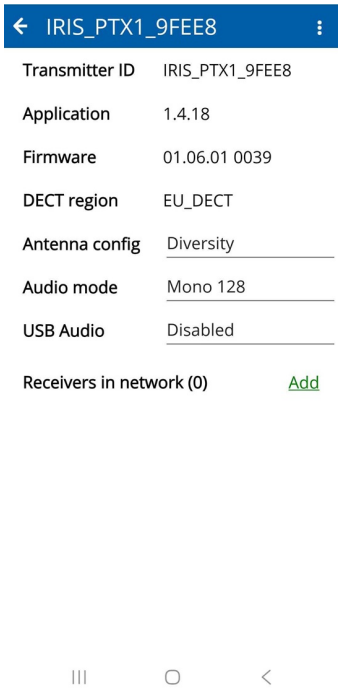
All receiver device types, including the Iris wireless amplifiers, the Pro and standard receivers are compatible with and interoperable with all available transmitter variants (standard and Pro).

3.1 Setting up an audio network

Setting up an audio network has become even easier. All receiver devices that are not already part of an audio network will automatically join a network that enters pairing mode.

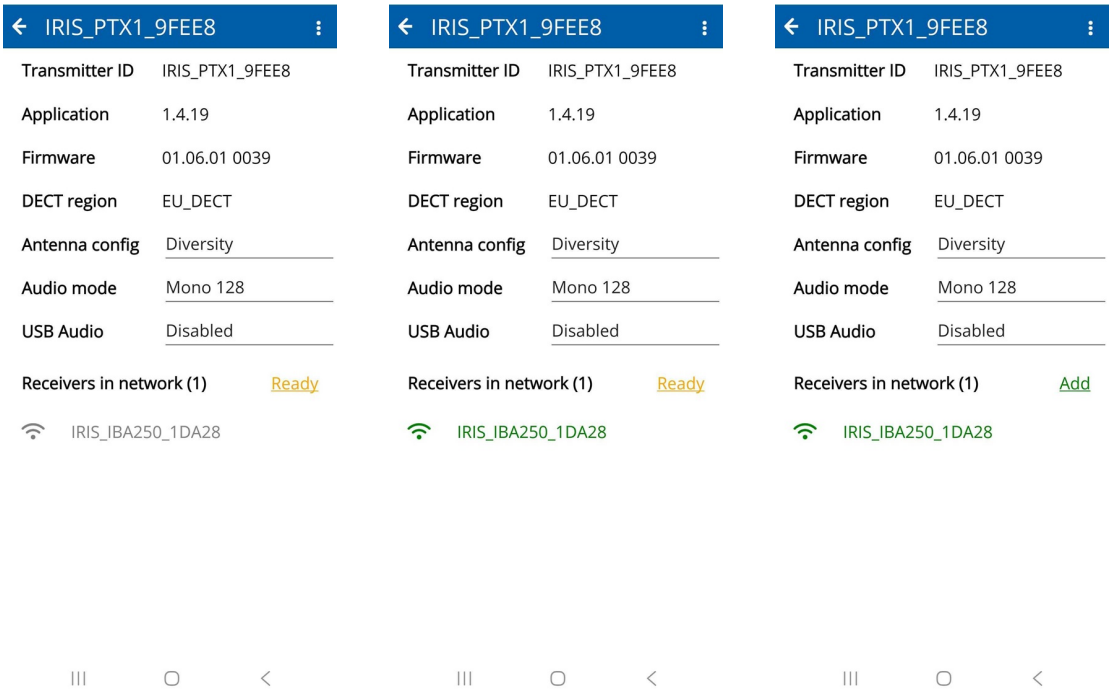
- Power up your TX-device and all the RX-devices you want to add to the network
- Start Iris Configurator on your mobile device
- Make sure you are in BLE proximity of the TX-device, otherwise walk towards it until the device shows on the networks overview page. Swipe down to start a new scan, required.





- Identify your TX-device and select it to connect (see advertising name).
- When asked, enter the password to access the network. See find the login password for the default password.

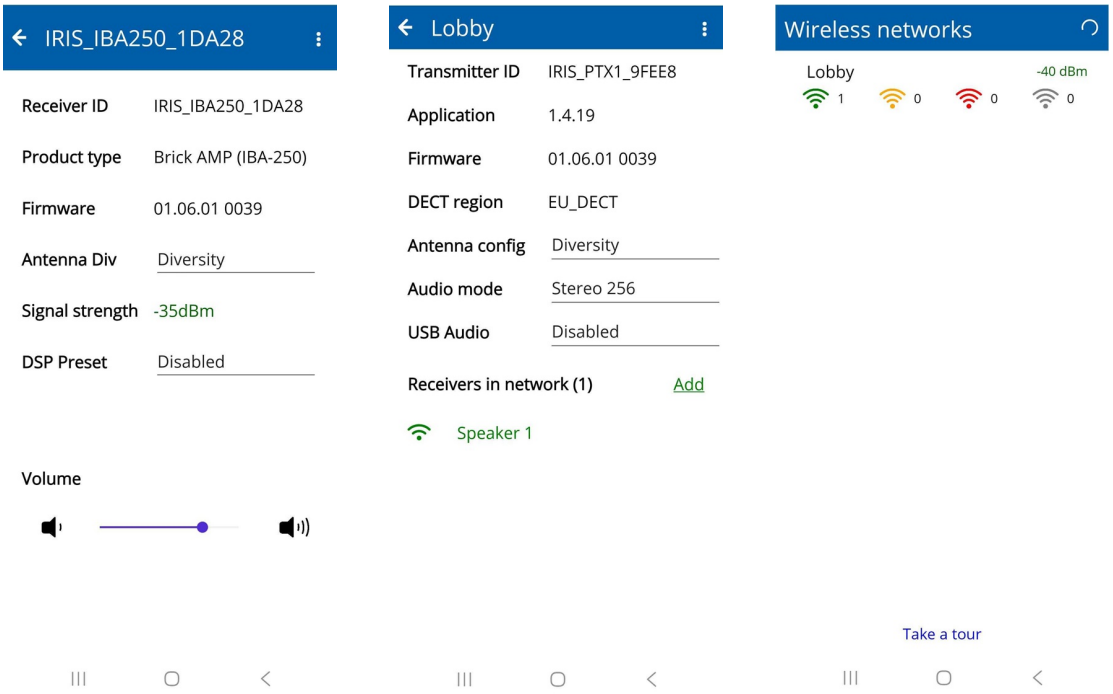
- On a successful login, the network's settings page will be shown. For a new network the list of receivers will be empty
- Tap the 'Add' link to set the transmitted in pairing mode and build your wireless network.



- Within a few seconds, all your receiver devices in DECT range (and not already belonging to a network) will join the network. The receiver's audio configuration will be done automatically and audio will come out of the speaker installation (when connected).
- Once all receivers have joined, tap the 'Ready' link to stop the pairing mode.

⋮

- Additional options are available from the menu accessible through the vertical ellipsis ( ).



- Modify the configuration to your needs, eventually assigning mode user-friendly names to the network and receivers and you are good to go.

3.2 Relay control functionality

The Iris has been designed to facilitate switching of equipment such as amplifiers or active speakers whenever audio is not required.

With the relay control functionality, digital input pin changes on the transmitter are transparently communicated to the digital output pins of all receivers in the audio network. This is default behavior and requires no configuration.

To close a circuit connected on the receiver side to the Output and Ground and power on your equipment, you short the Input pin to Ground on the TX-device. Releasing the Input on the transmitter will break the circuit on the receiver side and the connected equipment will turn off.

The relay circuit is out of scope for this manual. Please check the electrical details in § Technical specifications.

4 LED status information

The Iris Pro device features a total of 8 LEDs, arranged in two rows of four. The LEDs on the left communicate different status information, while the right hand side implements a VU meter.

! The VU meter functionality is only supported on the TX-device.

A LED can be switched **off** or light up: **solid**, **slow blink (**  **)**, **fast blink(**  **).**

Status LEDs on the Iris Pro Transmitter

LED: Digital in	
	Digital input detected
	No digital input detected

LED: Link (Not yet implemented)	
	Broadcast not active (No RX device listening to the broadcast)
	Broadcast active and all RX-devices report RSSI above -65dBm)
	FUTURE -> One or more RX-devices report RSSI between -65dBm and -85dBm
	FUTURE -> One or more RX-devices report RSSI below -85dBm

LED: Status	
	At least one RX-device is listening to the audio broadcast (audio channel is active)
	At least one registration in the database, but no RX-device is listening (audio channel not inactive)
	At least one RX-device locked, but audio channel inactive (should not happen)
	No RX registrations in the database
	Pairing mode is active

LED: Status	
	There is an issue with the DECT hardware or interface

LED: Config	
	Iris is discoverable, no active BLE connections
	App has connected, but authentication is required
	BLE connection is active, and user (app) has authenticated
	There is an issue with the BLE hardware or interface

Status LEDs on the Iris Pro Receiver

LED: Digital out	
	Digital input detected (Not supported by the hardware)
	No digital output detected

LED: Link (Not yet implemented)	
	Not listening to a broadcast
	Listening to broadcast -> RSSI above -65dBm
	Listening to broadcast -> RSSI between -65dBm and -85dBm
	Listening to broadcast -> RSSI below -85dBm

LED: Status	
	Paired to a TX-device and listening to the broacast (audio channel is active)
	Contains pairing information, but TX-device is not reachable (not listening to broadcast)

LED: Status	
	Locked to a TX-device, but audio channel inactive (should not happen)
	Not paired to a TX-device - transitional state
	Pairing mode is active
	There is an issue with the DECT hardware or interface

LED: Battery	
	Battery power levels are good
	Battery power is low, or no batteries used

5 The Iris Configurator

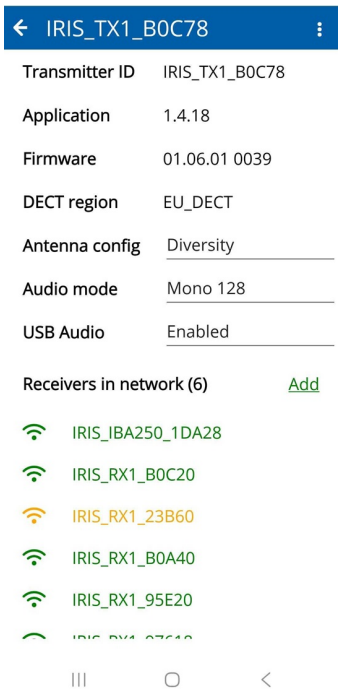
Iris Configurator is the companion mobile app for the Iris. It enables you to configure audio networks and can be used as a remote control by the end user. The app is available for free for both iOS (App Store) and Android (Google Play).

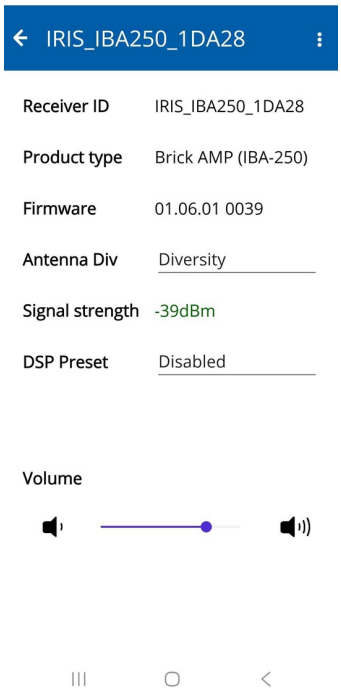
Using the Iris Configurator app is only possible when all device in your Iris audio network have been updated to the latest available firmware. The app lists all audio networks in BLE proximity, with the transmitter device being the gateway to the network. The default name of the network will be the advertising name of the transmitter device (composed using hardware type and unique identifier, information that can be found on the label of the device).

Once connected to the network, you can manage the configuration as well as the receivers in your network.

Screenshots of the main three pages of the app are shown below.

- The overview page shows all audio networks in BLE proximity, including connection quality information for all receivers in the network
- When selecting a network (password is required the first time), the properties page is shown including a listing of all receivers in the network. Additional options are available using the vertical ellipsis.
- When selecting a receiver, the properties page is shown including a slider for configuring the volume. Additional options are available using the vertical ellipsis.

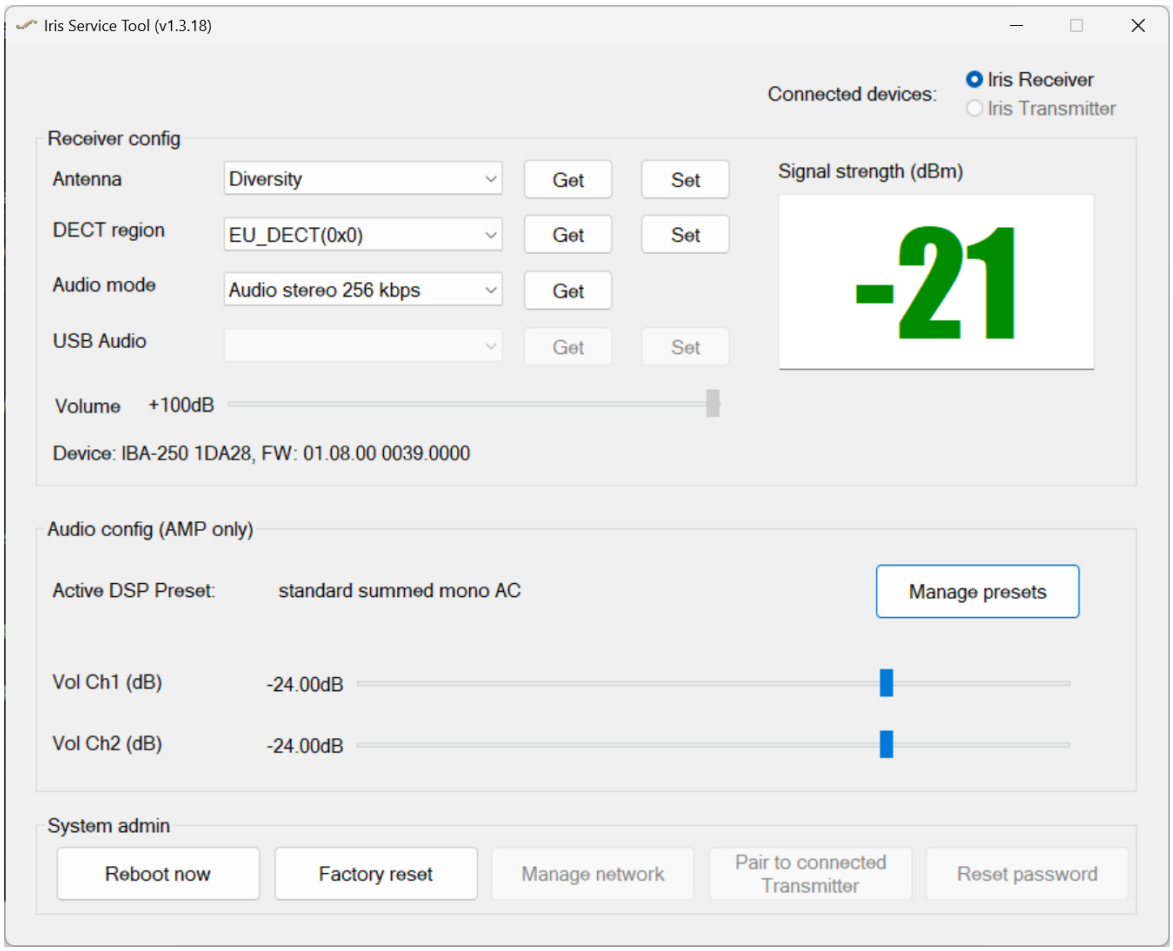




6 The Iris Service Tool

The Iris Service Tool is a Windows PC app initially designed for service purposes, to later be used as the configuration and monitoring tool, awaiting the mobile app release (Iris Configurator).

With the Iris Configurator now available, the main reason to use the Iris Service Tool would be for uploading DSP presets to your AMP devices.



7 Updating your Iris devices

The complete software functionality of the Iris technology is implemented over two embedded controllers. The main controller implements all audio (and networking) functionality and drives the device's UI elements, and is present on all Iris devices.

All transmitter devices feature a secondary controller. This controller is responsible for additional processing and the remote-control connectivity, enabling audio network monitoring and management via the mobile app.

The RX-1 receiver also features a secondary controller, which used to implement a considerable part of the functionality. Following a major update in April 2026, most functionality was migrated to the main controller. Once your RX-1 receiver is updated to this version, we expect secondary controller updates to become sporadic or even redundant.

Depending on the hardware, but also which version secondary controller firmware is running, updating might be required for either one or both controllers.

	TX-1	RX-1	PTX-1	PRX-1	IBA-250	DAM-250
Main controller	v	v	v	v	v	v
Secondary controller	v	v	v			

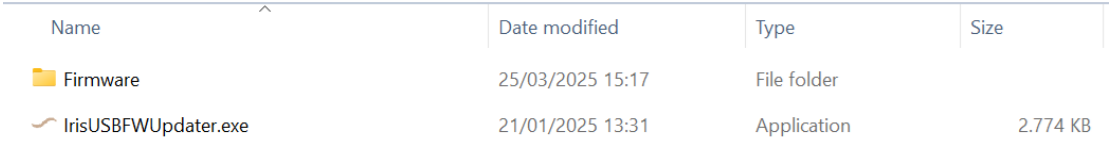
We highly recommend using the matching secondary controller firmware. The dependency information can be found in the release notes, and is also summarized in the table below:

	Main controller	Secondary controller
Release: April 2026	v1.8	V1.6
Beta: February 2026 (build 20260220)	v1.6.1	V1.4.15
Release: March 2025	v1.6	V1.4
Beta: March 2025 (build 20250317)	v1.5.13	v1.3.14
Beta: January 2025 (build 20250121)	v1.5.13	v1.3.14
Beta: February 2024 (build 20240229)	v1.5	v1.3
Release: September 2023	v1.4	v1.2
Release: February 2023	v1.0	v1.0

7.1 Updating the main controller

Download the distribution from the Streamit website (https://www.streamit.eu/downloads/iris-main-controller-update) and extract the content on your Windows PC.

Check and make sure that the executable file and the 'firmware' folder are present.



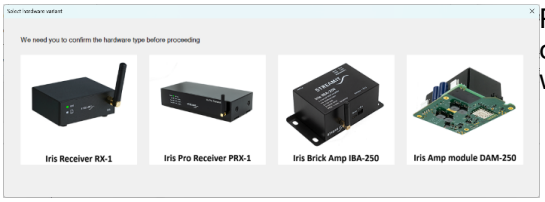
The firmware folder contains all files required for the different hardware types, organized in a specific structure. Please do not modify the given structure or rename any files/folders.

Start the executable 'IrisUSBFWUpdater.exe' and connect the Iris device to the PC using a USB cable.

The device will be automatically detected and the text on the upper right corner will communicate the Iris device is 'connected'.

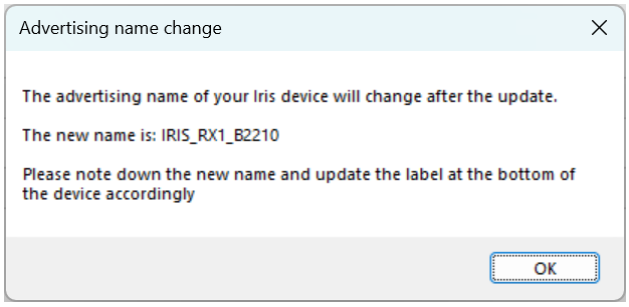
Press 'Start update' and wait for the update to be completed.

Due to a change in the device identification, when updating older Iris devices (running firmware older than 'build 20250121') you will be asked to select the correct hardware variant.



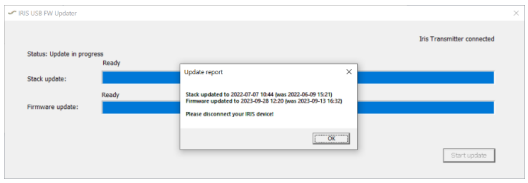
Please make sure to select the correct type, as this determines which functionality gets supported and well as the device identification.

The old format device id and advertising name (printed on the label of the device and displayed on the mobile app) will no longer be used. The updater will inform you about the change and will also communicate the new name.



The update will take a few seconds, up to over one minute depending on what exactly needs to be updated.

During the update process the device might restart, which will result in the connection state to shortly display that no Iris device is connected. Please, do not disconnect the USB cable until the update has been completed.



On completion, a summary of the update will be reported. Due to the nature of the firmware, no version numbers will be shown in the report. Instead, the date and time when the firmware was compiled will be displayed.

Your device is now (partially) updated and may be disconnected. For hardware that features a secondary controller, please follow below instruction to update the secondary controller firmware.

7.2 Updating the secondary controller

Updating the secondary controller requires using a Bluetooth-enabled mobile device and a third-party mobile application ‘nRF Connect for Mobile’.

The app is available for download from the Google Play as well as the App Store:

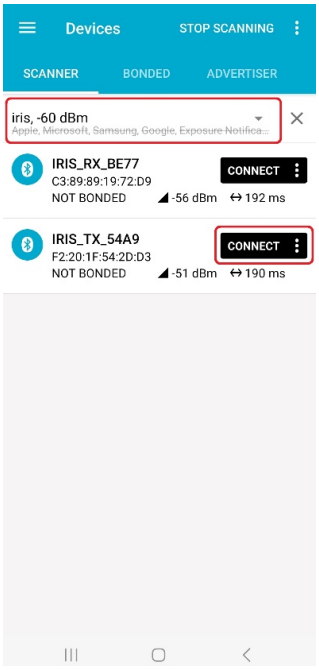
Android: https://play.google.com/store/apps/details?id=no.nordicsemi.android.mcp&hl=en&gl=US

iOS: https://apps.apple.com/gb/app/nrf-connect-for-mobile/id1054362403

Once you have installed ‘nRF Connect’ download the firmware from the Streamit website (https://www.streamit.eu/downloads/iris-secondary-controller-update). Extract the contents of the archive on your mobile device, and you should have two archives (ZIP files), one for the receiver and one for the transmitter device. These ZIP archives must not be extracted further. Moving these files to a dedicated folder might be useful when updating many devices.

Now, start the ‘nRF Connect’ app to proceed with updating your device.

Please allow the app location permission when asked for, normally on the first start.



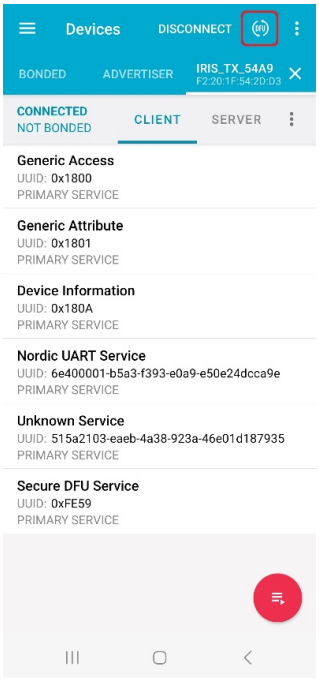
After starting the ‘nRF Connect’ app, scanning for devices will start automatically.

Many BLE-enabled devices in proximity to your mobile device will be displayed, and not only Iris devices.

You could restrict the scan results to only Iris devices by entering ‘iris’ in the filter field “Filter by name or address”. Additional filters are also possible.

Check the device name on the label at the bottom of your Iris device, then press the ‘CONNECT’ button next to it.

Should your device not be listed, make sure that your filters are not too strict and swipe down to start a new scan.

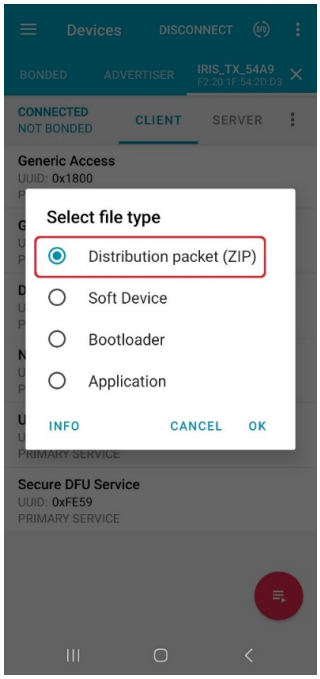


When you connect to your Iris device, the capabilities of the device will be discovered, and some information will be displayed. The specifics of this information are out of scope for this document.

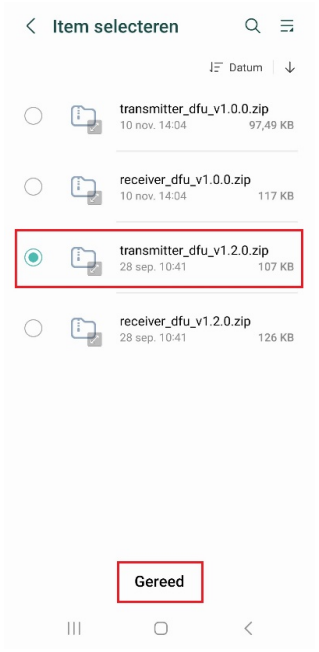
When the Iris device supports the firmware update functionality, an icon DFU will be shown at the upper right corner.

Except for a few initial samples and starter kits, all Iris devices support firmware update functionality.

When you have already downloaded the BLE firmware on your mobile device, press DFU to proceed.



Select the file type “Distribution packet (ZIP)”, and press ‘OK’ button to proceed.



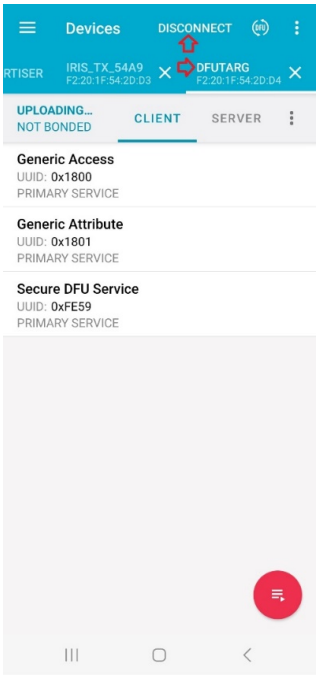
Navigate to the folder where the firmware was downloaded or moved to.

Make sure to select the correct firmware archive, paying special attention to whether you are dealing with a transmitter device or a receiver device.

❗ Loading transmitter firmware in a receiver device, or the other way around will result in the device no longer functioning properly.

Should you accidentally flash the wrong firmware, you can re-program the correct one by simply following the same steps again and selecting the correct firmware.

Press ‘Ready’ or similar (OS/language dependent, ‘Gereed’ in this screenshot) to start flashing the firmware.

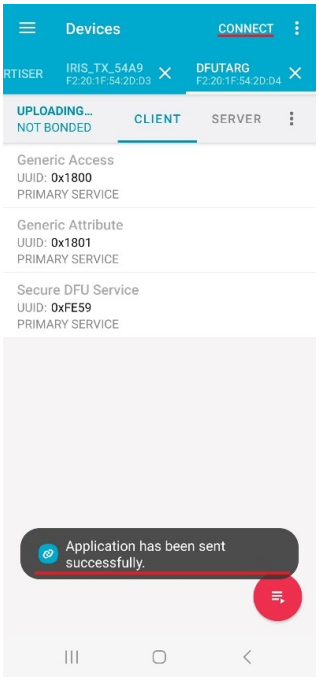


Once the update starts, a new tab called DFUTARG will be added; to the left of the DFU icon you will still read DISCONNECT.

The update should be complete within the minute, but the progress will not be clearly displayed in the app.

Depending on the OS, you might be shown the progress in the status bar/notification panel.

For as long as you read 'DISCONNECT', the update will be ongoing, and you simply wait.



When you keep focus on the 'nRF Connect' app, on completion, a notification will be shown informing 'Application has been sent successfully'.

Depending on the OS, a notification might also be shown in the status bar/notification panel, but this is not essential.

The DFU will no longer be shown, and the text on the upper right corner will read CONNECT.

At this point, you may conclude that the update is complete.

Close the 'nRF Connect' app and perform a power cycle of the Iris device.

8 Technical specifications

	Iris Pro Transmitter	Iris Pro Receiver
Wireless		
Wireless technology	DECT 1.9GHz	
Reception Range	50m indoors to 300m outdoors	
Latency	16.5ms	
Synchronicity between receivers	0.15ms	
Internal antenna	yes	
External antenna	yes	
Analog audio		
Audio frequency range	20 Hz to 20 kHz	
Input channels	2 (balanced)	-
Output channels	-	2
Input level	+4/+18dBu (switchable)	'-
Output level	-	2dBu(max)
Signal-to-noise ratio (SNR)	>90 dB	
THD+N(@1 kHz)	<0,01%	
Digital audio input		
Frequency range	20 Hz - 20 kHz	-
Input channels	2	-
Codec support	PCM	-
THD+N(@1 kHz)	<0,01%	-
Signal-to-noise ratio (SNR)	>90 dB	-
Input resolutions	16-24 bit	-
Sample rates	44.1, 48, 88.2, 96 kHz	-
Electrical		
Power supply	5V DC adapter, 1A	

	Iris Pro Transmitter	Iris Pro Receiver
Operating voltage	100~240VAC/50~60Hz	
Power consumption (AC)	Max 5W, <0,5W (idle)	
Power consumption (DC)	5V DC, 125mA	5V DC, 100mA
Peak current	500mA	
Batteries	4xAlkaline AA (option)	-
Digital input		
Logical low	<=0.8V	-
Logical high	>=2.5V	-
Internal pull-up resistance	10 kΩ	-
Maximum input voltage	3.3V	-
Digital output		
Maximum switching voltage	-	42V
Maximum output current	-	1.4A
Mechanical		
SMA antenna connector	female	
Audio input connector	RCA, terminal block, XLR	-
Audio output connector	-	RCA, terminal block, XLR
Digital audio input connector	Toslink	-
Power/service connector	USB-C	
Relay control input	terminal block	terminal block (*1)
Relay control output	terminal block (*2)	terminal block

	Iris Pro Transmitter	Iris Pro Receiver
LEDs	8	
Dimensions (LxWxH)	220x125x48 mm	
Weight	790 gr	
Environmental and safety		
Operating temperature	-20°C to 50°C	
Humidity	30% to 90%, RHL non-condensing	
Regulatory compliance	CE, WEEE	
Radio Equipment Directive (RED)	2014/53/EU	
RoHS	2011/65/EU & (EU) 2015/863	

(*1) Can be used to factory reset a receiver device

(*2) No function yet

9 Troubleshooting

In this section several tools and options for troubleshooting are described. Please consider these options before contacting support, this might save you time.

9.1 Audio disruptions

When the installation is done properly and the Iris devices are placed correctly as described in §General installation notes, you will not experience any audio disruptions.

- Check and make sure the external antenna is fastened tightly.

- Check the received signal strength using the Iris Configurator and select the antenna orientation that results in the strongest signal.

- Should the received signal be weak and not possible to improve, then evaluate the application requirements in the context of the audio mode setting. When 256kbps is used, you could experiment whether 128kbps results in less or no disruptions.

9.2 Finding the advertising name

The name of an Iris device as shown in the Iris Configurator is called the advertising name. It always starts with "IRIS" and is composed by appending the hardware type and the unique identifier. This information is printed on the label found on the bottom side of the device (e.g. for a PTX-1 device with id 1234A, the advertising name would be IRIS_PTX1_1234A).

Iris devices running outdated firmware have a different name format (e.g. IRIS_RX_ABCD), which has been deprecated. When updating older devices, the advertising name will change to the new format and you will be asked to note down the new name. It is highly recommended to note down the new name, and update the information on the label as well. Should you fail to do so, you can always find the advertising name by connecting your device to the Iris Service Tool.

9.3 Find the login password

In order for an instance of the Iris Configurator to be authorized to connect to the audio network, a password needs to be entered.

The default password is '**streamit**' (without quotes). It is highly recommended to change the password as one of the first steps in setting up your network, so that only those authorized can access the network.

Should you no longer remember which password was used for a specific network, you can reset the password using the Iris Service Tool.

9.4 Password reset

Resetting the password of your Iris audio network is only possible though the Iris Service Tool:

- Connect the TX-device via USB to the PC where the tool is running
- Start the Iris Service Tool
- Make sure the TX-device is selected
- Press 'Reset password' button and accept to proceed with the reset

Use the Iris Configurator to connect to to your network with the default login password, and change the password right away.

9.5 Factory reset

Resetting a device will apply default values for all important settings.

A factory reset for a transmitter device is only possible through the Iris Configurator, after having signed in. See password reset, in case you no longer remember the password.

Receiver devices can be reset through the Iris Configurator, by accessing the network it belongs to. Another option is to reset a receiver device is using the relay control input. This will require making a simple reset dongle using a terminal block connector, and connecting a wire between input and ground.

The steps to reset a receiver using a reset dongle:

- Disconnect the power

- Plug the reset dongle in the RX-device

- Connect back the power with the dongle still attached

- Remove the reset dongle within 10 seconds of startup

- When the above procedure was followed, a factory reset will be executed 10 seconds after startup

10 Release notes

Version: 1.8.0
Release date: 2025-04-23

New Features:

- Added support for configuring and monitoring receivers over DECT through the transmitter
- Significantly extended and updated the BLE API to support working with the new Iris Configurator app
- Added the VU meter functionality for the Iris Pro transmitter
- Added USB audio input support for transmitter devices
- Added support for mono audio encoding at 256kbps
- Added the basics for implementing range extension functionality, but the functionality remains disabled in this version
- Replaced the login PIN with login password
- Added password reset through the Iris Service Tool

Improvements:

- Major improvements made to the BLE connection configuration, BLE data exchange mechanisms, API commands, and memory management.
- Receiver devices will automatically enter pairing mode when not belonging to an audio network
- Simplified the unpairing mechanism and added option to forget receiver devices not in range
- Changed the USB driver name to "Streamit Iris TX device" or “Streamit Iris RX device’
- Disabled the BLE control interface of RX-1 receiver devices
- Factory reset is no longer possible without being logged in

Bug Fixes:

- Fixed: There was a 1dB difference between the output signal on the receiver and the input signal.
- Fixed: Volume changes did not always persist correctly

Dependencies:

- Compiled with DECT stack v0039_STREAMIT.
- Compatible with v1.6 firmware for the secondary controller.

Version: 1.6.0
Release date: 2025-03-25

New Features:

- Added support for the Iris Pro hardware and most of the hardware-specific functionality.
- Added support for the Iris Amp hardware and most of the hardware-specific functionality.
- Added support for configuration via the Iris Service Tool.
- Added stereo support and audio mode configuration for the following options: mono 128kbps, stereo 128kbps, stereo 256kbps.

- Added OTA data exchange mechanism for configuring and monitoring receivers through the transmitter.
- Added audio mode configuration of receivers through the TX-device.
- Added support for (SPDIF) digital audio input on the Pro transmitter.

Improvements:

- Changed the product identification and name format to make use the unique ID of the main controller.
- Changed the BLE advertisement name to match the new product name format.
- Changed the 'App' (Config) status LED to solid green when the device is discoverable (no active BLE connections).
- Changed the default antenna setting to enable diversity.
- Changed the BLE communication speed to 1Mbps (LE 1M PHY).
- The factory default for the DECT region is now configurable.
- Receiver devices automatically enter pairing mode when not already paired.
- It is now possible to factory reset an RX-device using the relay control input pin.
- Extended and adapted the production tests to accommodate the Pro and Amp products.

Bug Fixes:

- Fixed: Antenna diversity functionality was not working reliably.
- Fixed: The TX volume was set to -5dB instead of maximum when executing a factory reset.

Dependencies:

- Compiled with DECT stack v0036_STREAMIT.
- Compatible with v1.4 firmware for the secondary controller.

Known issues:

- The output signal on the receiver will be 1dB higher than the input (maximum gain configuration on RX).

Version: 1.4.0
Release date: 2023-09-28

New Features:

- Significantly reduced the latency to just 16.5ms (was 23.5ms).

Improvements:

- Decreased the minimum BLE connection interval to allow sending data as fast as possible.
- Increased the size of the message queue for safe communication between sub-systems.
- Extended the tests for validating the status LEDs hardware.

Bug Fixes:

- Fixed: Issue with incorrect response to host when setting the volume on a TX-device.

Dependencies:

- Compiled with DECT stack v0034.
- Compatible with v1.2 firmware for the secondary controller.

Version: 1.0.0
Release date: 2023-02-16

First firmware version released for production.

Dependencies:

- Compiled with DECT stack v0034.
- Compatible with v1.0 firmware for the secondary controller.

11 More information

In addition to this manual, the following sources are available for your reference:

- Support page: https://www.streamit.eu/support
- Streamit site with additional manuals: https://www.streamit.eu

12 Support

For technical support regarding the Iris devices, software tools or technical documentation, please contact your dealer first. In case you are a direct customer of Streamit, please visit the support page (https://www.streamit.eu/support) where you will find the option to submit a support ticket.

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