

# BARIX

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## AudioPoint 3.0

### Quick Install Guide Version V1.1

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#### **AudioPoint 3.0 Audio-to-mobile Encoder**

##### **Package contents**

- a AudioPoint 3.0 Encoder
- b Power supply

##### **Required Cable Set**

- a Ethernet cable (not included)
- b RCA / cinch cable (included)

##### **Firmware**

This device comes preloaded with AudioPoint 3.0 firmware.  
Latest AudioPoint firmware can be downloaded from [www.barix.com](http://www.barix.com)

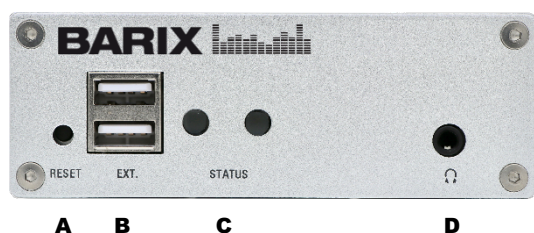
##### **Support**

For support please contact your local dealer or visit [www.barix.com](http://www.barix.com)

##### **Introduction**

AudioPoint 3.0 is the powerful solution from BARIX to stream live audio as unicast stream to hundreds of listeners. The audio point device encodes an analog audio source in near real time to a digital format (uLAW) and streams it as unicast over a wireless router to the user's smartphones . Ideal for a wide spread audio distribution, Barix AudioPoint 3.0 is the perfect solution to personalize the sound of live events and university lectures. Barix AudioPoint 3.0 enables an intimate entertainment of the customer without disturbing the business environment with voice or music.

## Front view



### A Reset Button

#### Description

Holding the reset button pressed for 10 seconds (until LED1 starts blinking) will reset the device and restore the factory default settings when button is released

### B EXT. ports

#### Description

USB ports (for future purposes)

### C Status LEDs

#### Description

LED1 shows system status:

Red – blinking fast: early startup.

Red – solid: first stage boot loader

Red – blinking slow: system booting

Green – solid: system up and running

Green – blinking: restoring factory defaults

LED2 shows application status

Black – server stopped

Red – overmodulated

Orange – no incoming signal

Green – solid: ok but no audio stream

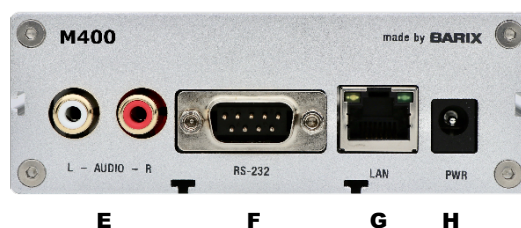
Green – blinking: audio stream running

### D Headphone out

#### Description

Standard stereo mini jack (3.5mm)

## Rear view



### E Line-in

#### Description

RCA inputs for audio sources (mono inputs per unit)

### F RS-232

#### Description

Serial interface port with standard D-sub 9-pin male connector (for future purposes)

### G LAN port

#### Description

RJ45 connector for 10/100 Ethernet

### H Power

#### Description

Barrel 5.5 x 2.1 mm female connector  
5VDC 2A input power (positive polarity)

## Introduction

Make sure that you have a WLAN infrastructure available that can support the number of subscribers you want to serve. Assure that the WiFi modem is not blocking IP multicast, otherwise you will not see the channel list on the phone app (streams are unicast, but the channel list is provided as multicast stream). You can use a QR-code to connect your audience to the available channel. Use any kind of QR-generator and write: <audiopoint://x.x.x.x:9444/channelname>

## Hardware Installation

### Step 1

Connect AudioPoint to the network or WiFi device using a standard ethernet cable.

### Step 2

Connect your audio sources (up to two per unit) to the RCA interfaces. Since the stream is sent mono to the listeners mobile phone, both interfaces work independently.

### Step 3

Connect the power supply to the device (H) and then to an appropriate electrical outlet. When LED1 becomes solid green, the system is up and running. If you connect a head set to connector D, you should hear the IP address announced at start up.

## Step 4

Download the free available Barix Audio Signage App from App Store or Google Play Store to prepare your mobile for streaming audio reception.

## Device configuration

### Step 1

If you did not hear the IP address, you can download the Barix Discovery tool at <https://www.barix.com/downloads/> to find out the devices IP-address. Browse to the IP-address of AudioPoint. Login as "admin", password is printed on the bottom of the AudioPoint 3.0 device.

### Step 2

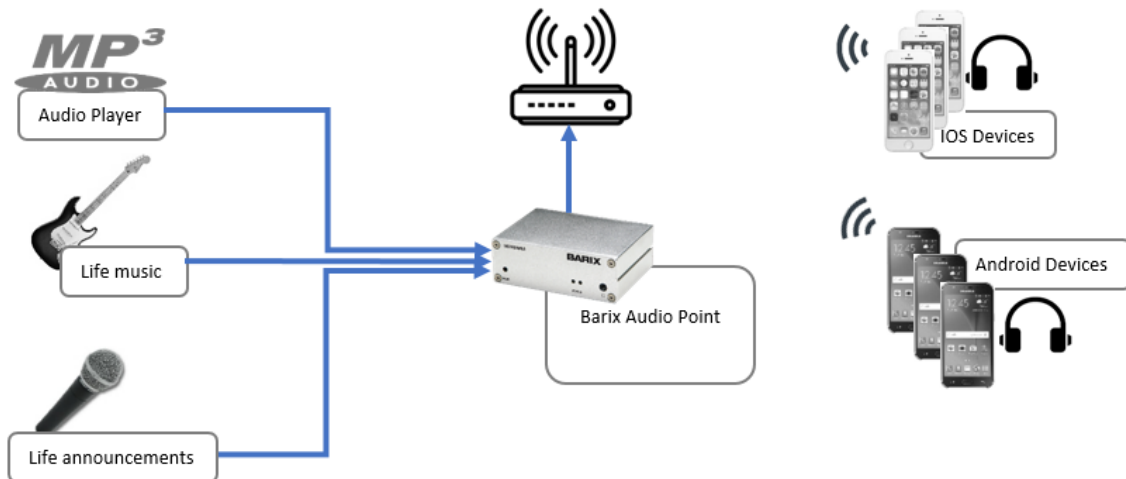
In the configuration menu you see the current IP address, the port number and the incoming interface. You are also able to deactivate the channel listing, if desired. By clicking the Edit Channel tab, you can change the displayed channel name and the subscription streaming port, (don't change the Local input and port settings).

### Step 3

- Click on Device Settings and then on Audio if you want to change the Input Level from the default setting Nominal 0dBu to Consumer - 10dBv
- Click on Network, if you want to change the IP settings, the device name or the automatic voice announcement of the IP address (SonicIP).
- Click on Security to set a security password for

The screenshot shows the Barix Audiopoint web interface. At the top, there is a navigation menu with tabs: HOME, CONFIGURATION, STATUS, LOGS, DEFAULTS, UPDATE, and REBOOT. The main content area is titled "Barix Audiopoint" and contains a "Channel Settings" section. Under "Channel Settings", there is a sub-section "CHANNEL SETTINGS" with a checked checkbox for "Channel list server". Below this is a table with columns: Channel Name, IP, Subscription Port, Channel Logo URL, Local Input, and Local Streaming Port. The table contains two rows: "Local\_left" with IP 192.168.2.136, Subscription Port 9444, Channel Logo URL http://nobbi.de, Local Input left, and Local Streaming Port 8050; and "Local\_right" with IP 192.168.2.136, Subscription Port 9446, Channel Logo URL http://, Local Input right, and Local Streaming Port 8060. Below the table are buttons for "Add New Channel", "Edit Channel", "Delete Channel", and "Delete All Channels". At the bottom of the settings area are buttons for "Apply Changes" and "Cancel Changes".

Channel Name	IP	Subscription Port	Channel Logo URL	Local Input	Local Streaming Port
Local_left	192.168.2.136	9444	http://nobbi.de	left	8050
Local_right	192.168.2.136	9446	http://	right	8060



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Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Safety and precaution recommendations apply. Find them in the download section at [www.barix.com](http://www.barix.com)

