ZERHEX

LIVE AUDIO BROADCASTER AND RECEIVER

www.zerhex.com

BRIDGE **G1**

Zerhex Bridge allows you to stream live audio directly from any analog audio source in real time or playback live audio stream from online audio source in the format (MP3, OGG PCM, G.711,G.722) with a bitrate of up to 320kbps. This equipment is used in high quality broadcasting and playback applications where audio over IP broadcasting is required.

The only prerequisite for the Zerhex Bridge Broadcaster is an IceCast or ShoutCast server. This device is fully equipped with cloud-based, remote control access that allows you to easily monitor and configure your live broadcast or playback from any smart device, from any destination.

Full Plug and Play allows you to connect your device(s) to any ethernet source and broadcast or receive audio using RCA audio connector.

go

Getting Started

This device supports the zero configuration mode supported by many stream hosting providers. This means that the built-in

Application Programming Interface will

automatically configure this device on your behalf.

Let's Begin!

If this device is unlocked and you have your own broadcast server then please skip step 1 and open your web browser then navigate to www.zerhex.com/activate to obtain your login control account information.

Steps.

1. Open your web browser and navigate to www.zerhex.com/control, you can then login using the Username and Password provided to you from your broadcasting

provider.

2. Click on the Device Addon Menu item and select 'Add/Remove Device'.

3. Click 'Add Device' then enter your device's serial I.D, located at the bottom of the device. Your newly added device(s) will pop-up under the 'Addon Menu'.

4. Select your device, your device's status page along with all your broadcast server accounts from provider will be listed under the 'Broadcast To' field.

5. If your device is unlocked then on the device control page please click on the "Add Server " button to setup your external broadcast server

From this point on you have full control over your device. Click the 'Start Broadcast' button for your device to start broadcasting audio.

.... Ethernet Connections
.... Power connector

.... Audio Line Output

.... Audio Line Input

DEVICE CONNECTORS

Transmit Signal

A flashing Transmit signal indicator light signifies that your device is connected to your live broadcasting server and has started transmitting audio.

Receive Signal

A flashing receive signal indicator light signifies that your device is receiving audio and playback has started.

Sync Indicator

A flashing online indicator light signifies that your device is not connected to the internet and is searching for an available network connection.

A solid online indicator light signifies that your device has successfully connected to the Application Delivery Network (ADN) and is awaiting a command.

Tip!

Your device does not have to be connected to the internet in order for your profile to be edited. All commands or preset configurations issued while the device is offline will automatically be updated/ uploaded as soon as the device is connected.

Tip!

Live audio stream hosting providers that takes advantage of our zero config api does not have to input any configuration for the device to broadcast to their customers account.

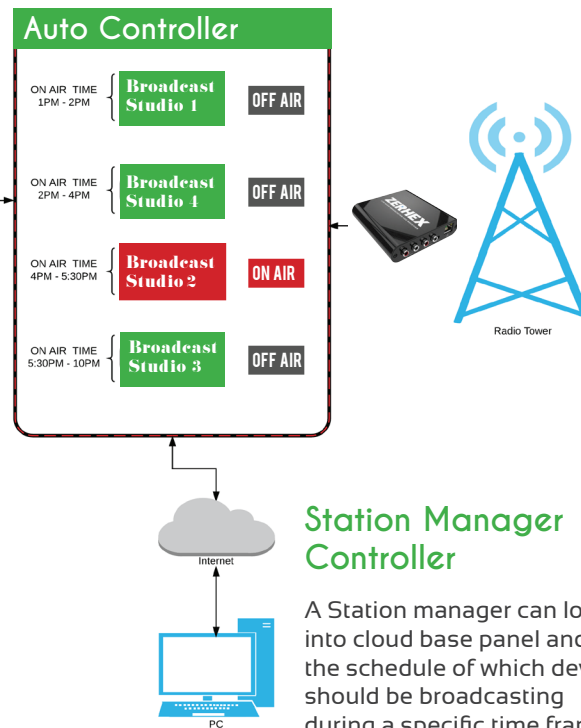This process is fully automatic..

MULTIPLE DJ/HOST SCHEDULER

Scheduler Control Panel

Station Managers can log into the cloud base scheduler panel to set the schedule for each device from any web browser or smart phone.

Broadcaster Studio 1
Location : USA

Broadcaster Studio 2
Location : CANADA

Broadcaster Studio 3
Location : UK

Broadcaster Studio 4
Location : CHINA

ONLINE

Internet

Auto Controller

ON AIR TIME 1PM - 2PM	Broadcast Studio 1	OFF AIR
ON AIR TIME 2PM - 4PM	Broadcast Studio 4	OFF AIR
ON AIR TIME 4PM - 5:30PM	Broadcast Studio 2	ON AIR
ON AIR TIME 5:30PM - 10PM	Broadcast Studio 3	OFF AIR

Radio Tower

Multiple DJ Schedule example Diagram

Here is an example diagram flow of 4 DJ/Host located in 4 different countries all connected and streaming to the same broadcasting station.

They are no limitation on how many djs you can schedule for live broadcasting.

Internet

PC

Station Manager Controller

A Station manager can log into cloud base panel and set the schedule of which device should be broadcasting during a specific time frame.

Audio Bridging

LOCATION A

LOCATION B

Transmit or receive audio between two different locations.

Here is an example diagram flow of an half duplex audio transmission setup where **location A** is transmitting audio to **location B** . The user

can then use the cloud base control panel to quickly change the audio route direction and transmit audio from **location B** to **location A** without moving or reconfiguring the devices installed in their specified locations.

Receiver

Transmitter

Transmitter

Receiver

Internet

Remote Control

MORE FEATURES

Cloud base remote control panel

Zerhex Bridge Broadcaster is fully equipped with cloud-based, remote control access that allows you to easily monitor and configure your live broadcast from any smart device, from any destination.

Live Audio Broadcasting

Broadcast live audio stream from with bitrate up to 320kb/s in MP3, AAC or OGG format.

Full support for Icecast & Shoutcast server types

Live Audio Receiver

Playback live audio stream from any mp3,AAC, OGG with bitrate up to 320kb/s.

Record Schedule

Zerhex Bridge Broadcaster Record all your live audio broadcastings directly to your website. With Zerhex Bridge Broadcaster this feature is fully automated. Not only will your content be recorded it will automatically upload all your audio to your website for your audience to easily playback your past episodes.

Multiple Host scheduling

The multiple broadcaster scheduler feature allows you to set broadcast schedules for each DJ. Each broadcaster device will only broadcast during the specific time frame then disconnect. With Multiple Host Scheduling, there's no need to spend money on staffing to handle the broadcasters time slots.

Auto Podcast submission

Auto podcaster will automatically record your host time slot then auto upload it to any podcast directory that supports xml file format. APPLE, TUNEIN ETC.

Upload podcast directly to your website

Have all your broadcast directly uploaded to your website. Display your audio episode using our player or any player you like.

Offline Configuration mode.

Configure your device even if the device is not plugged in from your cloud base panel.

The device will automatically load your configuration once you apply power.

FULL FEATURES LIST

- Multiple Dj/Host Scheduler
- Zero Configuration Plug and Play
- MP3 Encoding (Low Latency)
- OGG Encoding (Low Latency)
- Broadcast Recorder
- Live Audio Receiver
- Bitrate up to 320Kbps
- Unlimited Preset Broadcasting Profile
- No Computer or Other Software Required
- Auto Configure API

- Line Level Input (Full Stereo)
- Global Remote Control from Remote Locations
- IceCast/ ShoutCast Support
- Automatic Error Correction
- Auto Reconnect
- Cloud Recorder
- Podcast Cloud auto submit
- Geographical Blocking
- Mobile Broadcast App

Specifications

DJ

DEVICE SPECIFICATION

For a full list of this device's specification please refer to our website.

Encoding mode	
MPEG-1 Layer 3	Mono and stereo, Joint Stereo or Dual Channel
PCM codec	2 Channels
Codec	HE-AAC (v.1 and v.2),; MPEG-1 Layer 3; raw PCM, OGG
Sample rates	32 kHz, 44.1 kHz, 48 kHz
Bitrates	Up to 56 kbps (HE-AAC); Up to 320 kbps (MPEG-1); Up to 3072 kbps (PCM);

Streaming server	
Type	Shoutcast v1, v2 / Icecast compatible TCP/IP stream
Audio recorder	
Type 1	MicroSD
Type 2	Cloud recorder - Save audio directly to cloud server.
Scheduler	
Broadcast schedule	Set broadcast connect and disconnect schedule
Record schedule	Set record schedule
Network	
Connector	RJ-45
Type 1	Ethernet
Type 2	WIFI available on G2 devices
Analog audio input	
Connector	RCA (Left & Rigth) , stereo
User control panel	
Web interface	Full control and status information
Cloud interface	Access configuration panel from any web browser on the internet without port forwarding or proxy.
Mobile interface	Mobile App
Operating conditions	
Temperature	40°C to 70°C
Humidity	< 75%, non-condensing
Power requirements	
Voltage	5V DC
Connector	3.5mm X 1.35mm Dc Power / 5.5mm * 2.1 mm
Dimension	
Size	105 x 25 x 105 mm
Configuration profile	
Config Profile	Unlimited
Config Mode	Zero configuration mode supported
Geographical Filter	
Geographical Blocking	Supports API geographical blocking mode

Enjoy Your new Zerhex Bridge G1

To control this device please open your web browser and navigate to

www.zerhex.com/control

Learn more about Zerhex Bridge

features at www.zerhex.com/features

For instructions on safety and handling information , see the Zerhex Bridge Broadcaster User Guide at www.zerhex.com or download the EPUB version

located at

http://www.zerhex.com/pdf/zerhex_bridge_g1.pdf

Warranty

Zerhex Bridge

This device has a two year warranty. Voice Stream digital warrants to the original purchase that your Zerhex Audio products shall be from defects in

materials and workmanship under normal use for the period of (2) two years from the date of purchase. If defect(s) occurs, contact Voice Stream Digital immediately for a return authorization form. You must return the product in its original state with the authorization form. Once the product is received by Voice Stream Digital, we will assess the issue and return a new or refurbished product to you.

Live Audio Broadcaster
WWW.ZERHEX.COM