

IP AUDIO RX 100 Quick Start

1. Unpacking

Check that all these accessories are present:

- 1 power supply cable
- 1 straight Ethernet cable (letter A on the cable)
- 1 Quick Start notice

2. Network configuration using the console

Before connecting your encoder to the broadcast chain, check network parameters and modify them if needed.

Connect a PC to the COM serial port of the encoder and the power supply cable to the rear panel. On your PC, open a terminal session (with Hyperterminal, Tera Term...).

If you don't know which COM port to select for your terminal session:

Press the Windows and Pause keys at the same time and select **Hardware** or **System and Device manager** (depending on the Windows version).

Click on "Ports (COM & LPT)" to list physical and virtual COM ports installed on the PC. This is the port you will need to select for your terminal session.

Enter the following parameters: 9600 bits per second, 8 data bits, no parity, 1 stop bit, no flow control.

Once connected to your encoder, enter the command:

```
IP?
```

Press the <Enter> key and the encoder sends the current IP address, for instance:

192.168.2.3 (this is the default IP)

To set a new IP address, enter the command and press the <Enter> key:

```
IP=x.x.x.x
```

Where x.x.x.x is the new IP address.

You might in the same way check and reset the network mask (press the <Enter> key after each command):

```
MASK?
```

```
MASK=x.x.x.x
```

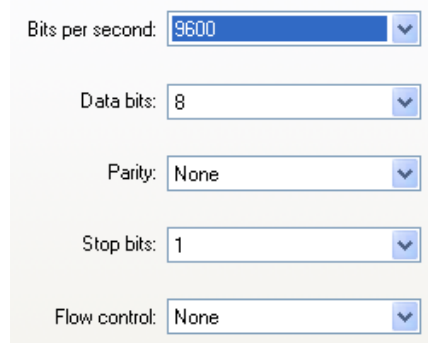
the gateway:

```
GATEWAY?
```

```
GATEWAY=x.x.x.x
```

You will then need to restart the encoder to apply the new network parameters:

```
RESET
```



Bits per second: 9600

Data bits: 8

Parity: None

Stop bits: 1

Flow control: None

3. Connecting to the embedded Web site



1. Connect the Ethernet cable between the RJ45 and the network..
2. Open a Web browser (Internet Explorer, Mozilla...) and enter the encoder IP address you just set in the previous step. Login with the default username and password (admin/admin). The home page of the embedded web site is displayed:



4. Configuring the stream URL using the embedded Web site

1. On the embedded web site home page, click “Audio -> Configuration”:

Audio Source Configuration	
Auto switch:	ON <input type="button" value="v"/>
URL1:	<input type="text" value="http://www.katrafm.net:9000/live"/> <input checked="" type="checkbox"/> (metadata)
URL2:	<input type="text"/> <input type="checkbox"/> (metadata)
URL3:	<input type="text"/> <input type="checkbox"/> (metadata)
Backup player:	SHUFFLE <input type="button" value="v"/>
Buffer timeout:	30 (Default:30sec.)
Volume:	100 % <input type="button" value="v"/>
<input type="button" value="Save"/>	

Set the main URL(URL1)

2. Set the backup player to Shuffle for example.
3. Click the “Save” button to lock in your changes.

5. Configuring the backup audio player

1. Take out the micro SD card and copy all audio files to **/audio/** folder. This is the fastest way, because copying all files using the embedded ftp is very slow.
2. If you use playlist the file must be called **/audio/playlist.pls**

6. Look at current audio status

1. On the embedded web site go to “Audio” > “Status”:

Audio Source	
Audio Source:	URL1 <input type="button" value="v"/>
Stream status	
Source:	URL1
Address:	http://www.katrafm.net:9000/live
Name:	KATRA FM - #1 Hit Music Station in Bulgaria
Title:	MARK KNIGHT - Devil Walking * KATRA FM Live *
Metabytes:	89 bytes
Play time:	00:00:15
Format:	AAC
Mode:	Stereo
Sample rate:	44100 Hz
Bitrate:	63 kbps
Buffer level:	<div style="width: 99.5%; background-color: #0070C0; height: 10px; display: inline-block;"></div> 99.5%

2. **Note:** The buffer level must be almost always full this indicates good internet connection.

Please check the user manual for more information on how to communicate with your device and how to configure it.