

Quick User Guide

DB94-RX/SFN

Compact MPX over IP Audio Decoder

→ BEFORE YOU USE THIS PRODUCT ←

In order to be able to enjoy all the benefits of owning your new DEVA product, please verify first that the latest software and firmware release were installed.

Visit **www.devabroadcast.com/downloads** for the most recent software and firmware downloads, prior the installation.

This Quick user guide will make the installation of **DB94-RX/SFN** quick and easy. Applying these principles, you can simplify the process and save yourself extra time and effort.

For more information about the Safety precautions and the Operating environment recommendations please refer to the User Manual.

STEP 1

Connection

The DB94 series are provided with preliminary settled µMPX licenses.

For normal operation it is necessary the device to be connected to a local network or Internet by cable with RJ-45 connector and to the power supply.

IMPORTANT:

It is not recommended the DB94-RX/SFN to be directly connected to the Internet. This may lead to unregulated access and/or problematic operation of the device. To ensure secure connection, we recommend the device to be installed behind a router with an active firewall.

STEP 2

Configuration

DB94-RX/SFN is controlled trough a build in WEB Server and a standard web browser can be used to monitor its status or to make some adjustments.

To operate the device you need to know its IP Address. In case you are not aware of it, you can hear it through the headphones when you turn on the device. Alternatively, use the Network discovery feature at Local networks. Then open a new WEB Browser and enter the device IP address in the address field then press [Enter].

STEP 3

Access

DB94-RX/SFN provides you with a protected access to the device settings. To make the necessary adjustments to the device, please log in as an ADMINISTRATOR. The default values being:

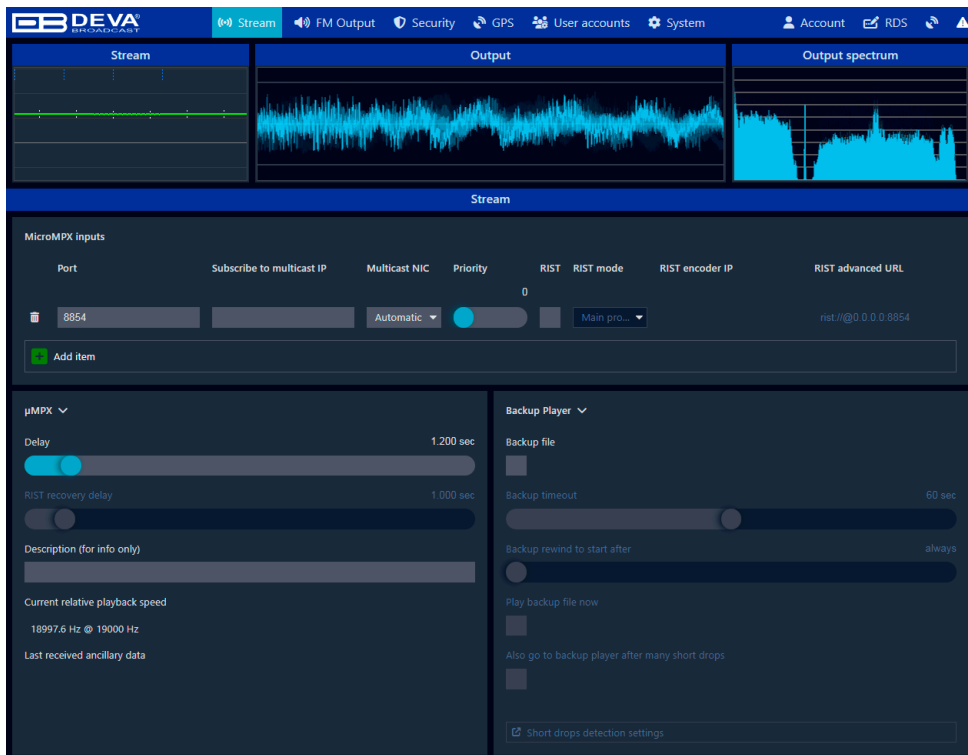
- username: admin
- password: pass.



STEP 4

WEB Interface

A successful log-in in the WEB Interface will look like this:



STEP 5

Settings

Upon opening the WEB interface, the main Stream window will appear (depicted above). The page contains information on the MicroMPX Inputs as well as visual interpretation of the Stream, Output and Output spectrum.

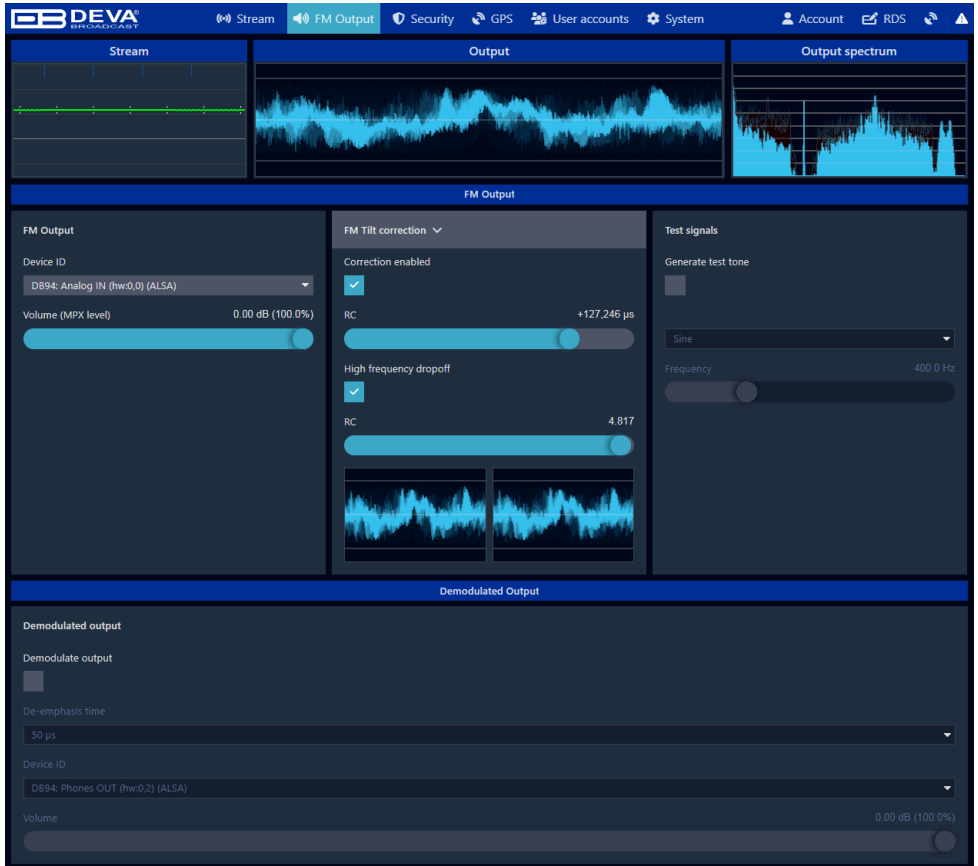
You can prepare a file with emergency audio to be played in case you have a connection drop out.

The MicroMPX decoder expects a 192 kHz mono file that contains MPX data, normalized to 0 dB, in WAV or FLAC format. The file is transmitted as-is, so it needs to be pre-emphasized and it must contain stereo and RDS signals.

MPX files can be generated by recording the output of an FM processor (or even the received signal from a tuner that doesn't demodulate the MPX signal). Or you can use a program like Thimeo WatchCat (<https://www.thimeo.com/watchcat/>) to generate an MPX file from an audio file.

Backup player - Through this screen are applied all needed settings to the alternative sources.

The backup player will start only after Backup timeout time of no usable MicroMPX data elapses. If a few packets arrive and then the signal disappears again, it will continue the backup file playback where it left off, unless the backup player hasn't been used in Backup rewind to start after time. In that case it will start at the beginning. If you always want it to start at the beginning (for example if you have a loop of jingles as backup file), you can set that time to 0.



FM Output and Demodulated output settings are applied in this section of the WEB Interface.

You can also generate a test tone. To enable the mode: Select the "Test tone Mode" to activate it. Then configure tone settings.

Thank you for choosing DEVA!

Please refer to the User manual for detailed information on how to configure and explore your device.