



AeroAudio

WWW.AEROAUDIO.EU

MPX 3 LCD



MANUAL

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A menu is available in which a number of configurations can be made. All other configurations are done via a web browser.
The settings via the display are: Level Phones, Input level, Channel separation, IP-address and display settings.

Level phones is to adjust the volume of the headset output in steps of 1dB.

Input level is to configure the input level. This serves to make sure that the input signal is not too weak. The detection can because only work well if the meter has a sufficient range. Please adjust this setting so that the meter goes to 0dB.

Channel separation in order to listed to the stereo inputs on the headset, the detector contains a stereo decoder. With this setting, the channel separation of the signal can be adjusted (if necessary).

IP address with two options. The configuration of a fixed IP address: 192.168.0.5 or the option for DHCP. The latter means that the router on the network automatically assigns an IP address to the detector, provided that the router has DHCP enabled.

Note: These IP address settings are only for the configuration when You use the detector for the first time on a network.

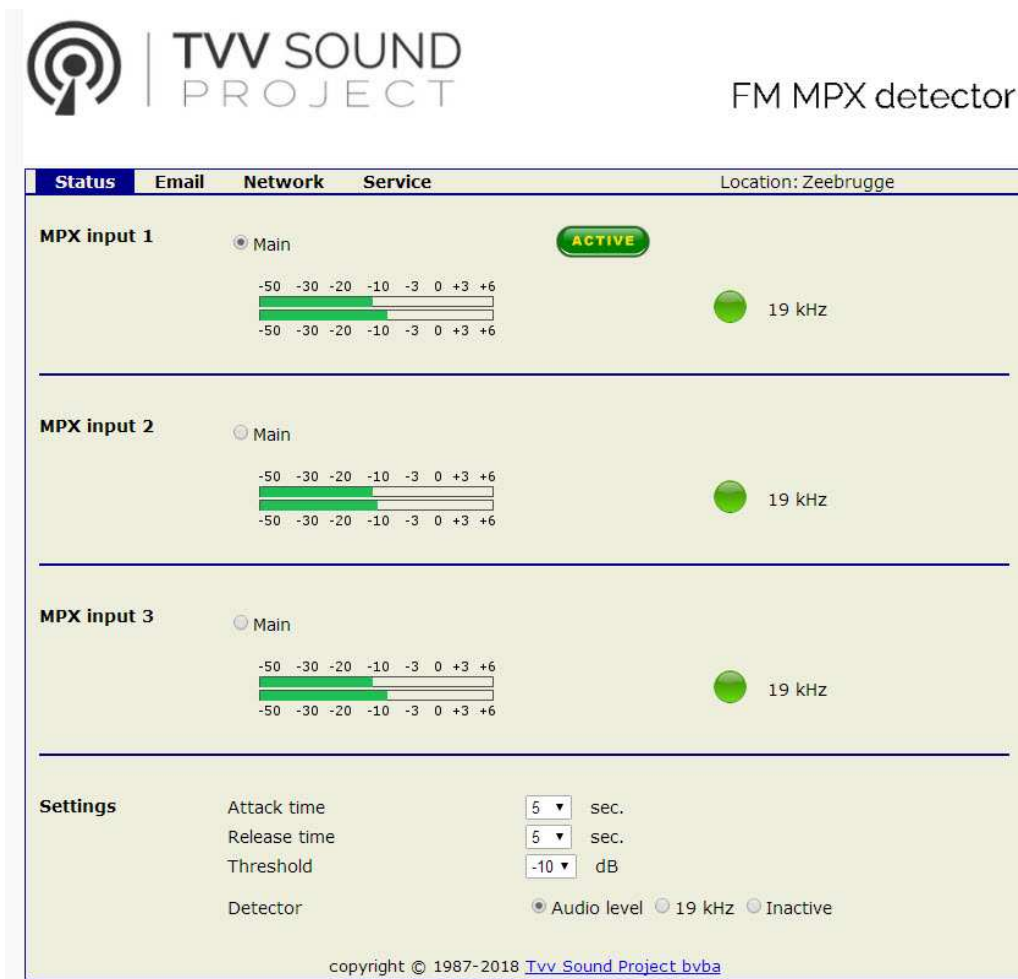
The IP address of the detector can then be found via a network scan or by consulting the DHCP table in the router. The detector logs on with
FM-MPX-detector.lan

Finally the **display settings**. Here, the contrast and the intensity of the backlight can be set.

The other settings can be set or viewed through a Web browser.
For this purpose, the detector provides 4 web pages:

1. **Status**. This page shows the status of the inputs and allows you to adjust the settings for the detector.
2. **Email**. The settings for sending an email in the case of an outage of the signal
3. **Network**. The page allows to adjust the settings for the network.
4. **Service**. The setting for the location name and the firmware update

The status page



This page shows the status of the 3 connected sources: MPX input1, MPX input2 and MPX input3. By way of the radio buttons (*Main*) can be selected which source is used as the main input, and be switched to the output provided that it has a signal. This will be indicated with the text ACTIVE. The meters show whether signal is present. On every input, there is also an indicator for 19kHz. If it is present, the indicator is green, and otherwise it is red.

If a backup input becomes active, the "Active" indication will be shown next to that input, so that it is always immediately visible which input is active.

On the bottom half, below *Settings* a few device parameters can be adjusted.

1. **Attack time.** Configurable between 1 and 60 seconds. This counts down the time between the loss of the input signal and the switching to the backup input.
2. **Release time.** Configurable between 1 and 60 seconds. This counts down the time between the return of the program signal and the moment of switching back from the backup input.
3. **Threshold.** The threshold which the detector triggers. Configurable between -10, -20 and -30 dB (values of the meter).
4. **Detector active.** If this is set to inactive, the detector will not switch to a backup signal on silence. When set to *Audio Level*, the detector triggers on the low-frequency audio in the signal, and when set to *19 kHz*, the detector triggers on the presence of the 19 kHz pilot tone.

The email page

TVV SOUND PROJECT | FM MPX detector

Status | **Email** | Network | Service | Location: Zeebrugge

Alerts active

SMTP Server address: User name:

Message from: Password:

Recipient 1 address: Main signal return message:

Recipient 2 address: No signal message:

Recipient 3 address: Message subject:

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On the email page, you configure the settings needed to send emails on a status change or an alert.

1. **Alerts active.** Whether or not messages are sent after silence has been detected. The change of this setting is automatically saved.
2. **SMTP server address.** The address of the mail server to transmit the mail to. If a non-standard port is used, the port number can be set behind the address, separated with a colon.
3. **Message from.** The email address of the sender.
4. **User name en Password.** These fields must only be filled in when they are required on the particular network.
5. **Recipient1 - 3 address.** Up to 3 email addresses for recipients can be filled in.
6. **Main signal return message.** The message that is sent after the Main input is switched through again.
7. **No signal message.** The message that is sent after one of the backup signals is switch to.
8. **Message Subject.** In the subject, you typically fill in the name or location of the detector

In the bottom left of the page is a button to send a test mail. On a click on this button, a test mail will be sent to all recipient addresses. A popup window with the communication with the SMTP server will also appear. In the case of a failure to transmit the email, this popup window typically clarifies the cause of the failure. niet verstuurd wordt.

The network page

The screenshot shows the 'Network' configuration page of the TVV SOUND PROJECT FM MPX detector. The page has a header with the TVV SOUND PROJECT logo and the title 'FM MPX detector'. Below the header is a navigation bar with tabs for 'Status', 'Email', 'Network' (selected), and 'Service'. The location is indicated as 'Zeebrugge'. The main content area is divided into two columns. The left column contains network settings: DHCP (set to On), IP address, Subnet mask, Gateway, Primary DNS, Secondary DNS, and SNMP Trap server (set to 192.168.2.55). A 'Save network settings' button is at the bottom of this column. The right column contains authentication settings: User name (set to admin), Password (masked with dots), and Password repeat (masked with dots). A 'Save authentication' button is at the bottom of this column. A copyright notice 'copyright © 1987-2018 Tvv Sound Project bvba' is at the bottom of the page.

The 3rd page is for configuring the IP address and the password for logging into the web pages of the detector.

On the left half, the settings for the IP address and others can be set, as the example shows. In addition, there is a selection for DHCP (automatic address assignment) or a manually set IP address.

Furthermore, at *SNMP Trap server* the address can be set where SNMP "trap" messages can be sent. This way, status messages will be received via an SNMP protocol.

If all settings can be adjusted, click in the button: *Save settings*

On the right half, the log-in name and password can be filled in (these are the name/password needed to log in on the detector with a web browser). Then click *Save authentication* to save the settings.

On first use, the User Name and Password are:

admin admin

The service page

TVV SOUND PROJECT | FM MPX detector

Status Email Network **Service** Location: Zeebrugge

Device Settings Location:

Firmware Firmware version: 2.30

Firmware update: 240618_mpx.bin

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Device Settings. This field allows you to specify the location of the device. This location is visible in the top right of every page.

Firmware. Should it be necessary to update firmware, you can do so here. The new firmware will then be provided to you by the representative, and can be saved in a folder on a computer. With the button "Browse", this file is selected; then the update starts after a click on the button "Update Firmware". During the update process, a Loader is shown at the right. The update finishes after approximately 50 seconds, after which the new firmware version will be shown at the page.