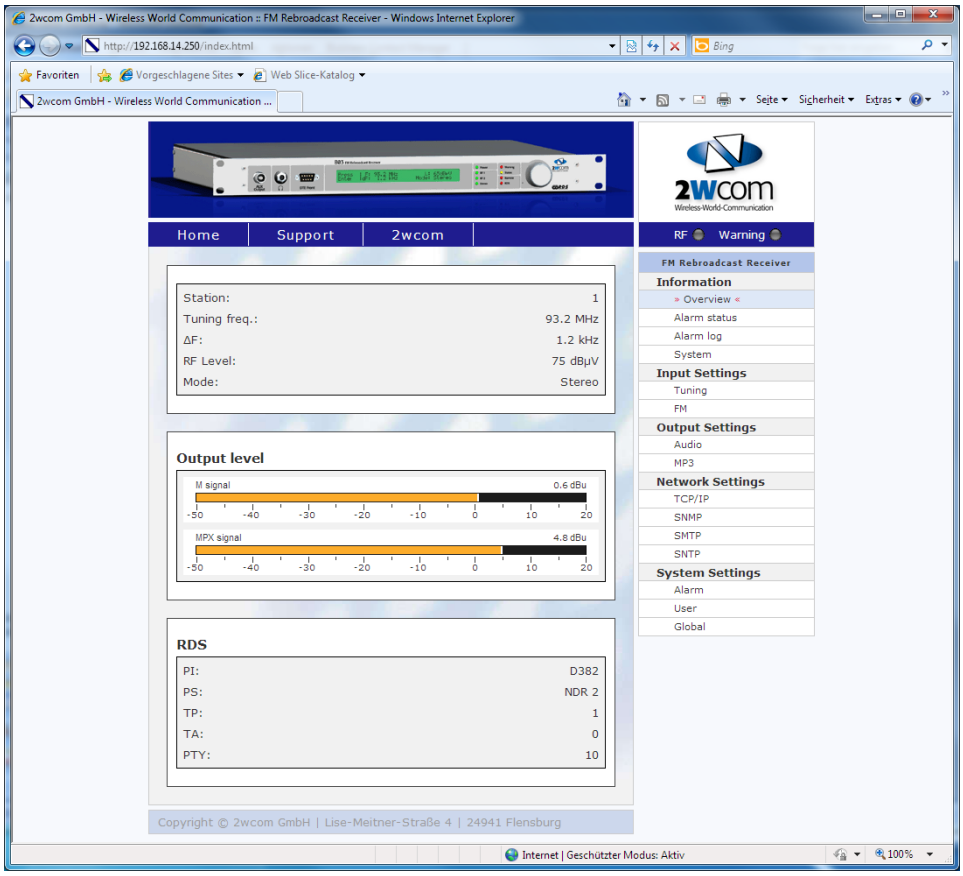
Quick Start Guide
FM Rebroadcast Receiver B03

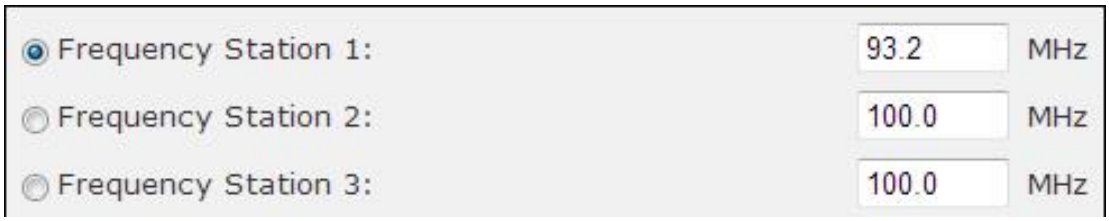
Quick connection

1. Power on the B03.
2. Press the JogDial to enter the B03 menu.
3. Select the menu entry “Interface” by turning the JogDial and pressing it to enter the menu.
4. Select the menu entry “TCP/IP” and enter the menu by pressing the JogDial.
5. Change the IP address and Netmask to accommodate your needs.
6. Leave the TCP/IP menu by selecting the “Back” entry.
7. The device will ask for a reboot to activate the changes. Select “Yes”.
8. Now you can configure the device conveniently via the Web interface. Just open a Web browser and enter the IP address of the device. The browser will ask for a login; username “admin”, password “admin” will work in the initial state.



Input Setup

The B03 allows the setup of eight individual input settings (“stations”). The setup for the eight stations can be done on the “Tuning” page.



The “Tuning” page is also the page where you can change the currently active station.

Monitoring Setup

You can monitor certain parameters with your B03:

- RF level (get an alarm when the RF level falls below a certain value)
- Audio modulation / M signal (get an alarm, when the M signal falls below a certain value → the audio modulation is lost)
- RDS PI (getting an alarm when the PI changes; possibility of wildcards included)
- RDS PS (getting an alarm when the PS changes)
- RDS Sync (getting an alarm when the RDS Synchronization is lost; NOTE: when RDS Sync gets lost, PI and PS monitoring will be inactive and will generate NO alarms even if enabled. Please keep this in mind when you choose to monitor PI or PS – you may want to monitor RDS Sync, too)

The monitoring setup can be done on the “Alarm” page. You can do individual setups for each station. At the top of the “Alarm” page you can select the station for which you want to configure the monitoring setup. When you enter the “Alarm” page the current station is selected as default. For each parameter you can adjust to different delay times T1 and T2. T1 is the time a parameter has to be faulty before an alarm will be generated. T2 is the time a parameter has to be “good” again before the alarm will be retracted.
For each monitored parameter you can choose whether to be alarmed via SNMP, Email, one of the seven relays of the B03 or via the Warning LED at the front of the B03. You can also decide, if you want the alarms to be written into the Alarm Log.

Additionally you can configure to get an alarm, when the current station of the B03 does change (useful e.g. to see the reason for the retraction of an alarm).

The Alarm Log is being displayed on the “Alarm log” page.
The status of the current monitoring is being displayed on the “Alarm status” page. A grey LED signals an inactive monitoring, a green LED active monitoring and parameter OK and a red LED active monitoring and a parameter fault.

Email/SMTP setup

You can get alarm messages from the B03 via Email.
The setup of the Email account, to which you want the Email messages to be sent, is done on the "SMTP" page.

The "sender" address (or "return" address) needs to be set first. When you are trying to send the Email to an authoritative server, the domain of the "sender" address needs to be one of the accepted domains. The "recipient" address is the Email address, to which you want the Emails to be sent.

For the server address you have to enter either the name (e.g. "mail.gmx.net") or the IP address of your SMTP server. If you've entered the name of the SMTP server please note that you also have to enter a valid IP address for at least the Primary DNS on the "TCP/IP" page in order to enable the B03 to resolve the SMTP server name to the actual IP address.

If your SMTP server requires user authentication, you have to check the "Use login" checkbox and enter the required username and password.

MP3

The B03 is capable of streaming the current audio content as MP3 via TCP/IP.
You can configure the MP3 output on the "MP3" page.

To listen to the MP3 stream you need to have a Media Player, which is capable of playing SHOUTcast audio streams. A player, which does work for sure, is e.g. the free VLC media player.
To listen to the MP3 stream with VLC, just select "Open Network Stream" and enter the IP address and the MP3 port of the B03 in the form "http://address:port", e.g. "http://192.168.14.250:6667".

For any questions, contact:

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