Quick Start Guide

Munin Quick Start Guide

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Quick Start Guide

Administrative user rights are required when running the mservsetup.exe programs. Wideband channel recording requires that you start the server with elevated user access (Run as administrator).
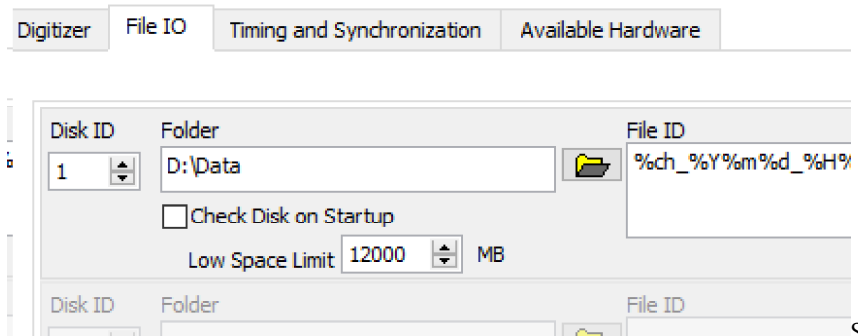
Setup Munin Server

1. Install and configure Munin Server as instructed in the user manual.

2. Configure Munin Server for setup test: open menu File >> System Settings... and enter the following parameters:

   a. Network >> Connections: MYCMDIP = 127.0.0.1

   b. Network >> FFT: MYFFTIP = 127.0.0.1

   c. RTSA>> General: RTSAENABLED = true
      RTSA>> General: RTSACH = IF1/A

   d. RTSA >> Streaming as in Figure 1 below.

Figure 1: RTSA Configuration for localhost Test.

3. Click OK to close the configuration dialog.

4. Open menu File >> Hardware Settings

   a. Select File IO tab, make sure "Folder" points to an existing folder, preferably in a RAID disk.

   b. Click OK to close the hardware dialog.

5. Close the Server program.

Setup and Test Connection with Munin Control

6. Install Munin Control Software (see <u>Service Manual</u>⬚ [134]) in the same computer as the Server.

7. Configure Munin Control for setup test: open menu File >> System Settings… and enter the following parameters:

    a.   Network >> Connections: MYCMDIP = 127.0.0.1

    b.   Network >> Connections: HOSTIP = 127.0.0.1

    c.   Network >> FFT: MYFFTIP = 127.0.0.1

8. Click OK to close the configuration dialog.

9. Restart Munin Control.

10. Start Munin Server. Change to the "Logs" tab on the user interface.

11. In Server, execute command Operate >> Go On-Line

12. Once you see the text Online in the TCP Traffic Log listing on the Logs tab, the Munin Control should start to send commands to the Server, these commands show up in the Traffic Log (see Figure 2 below).
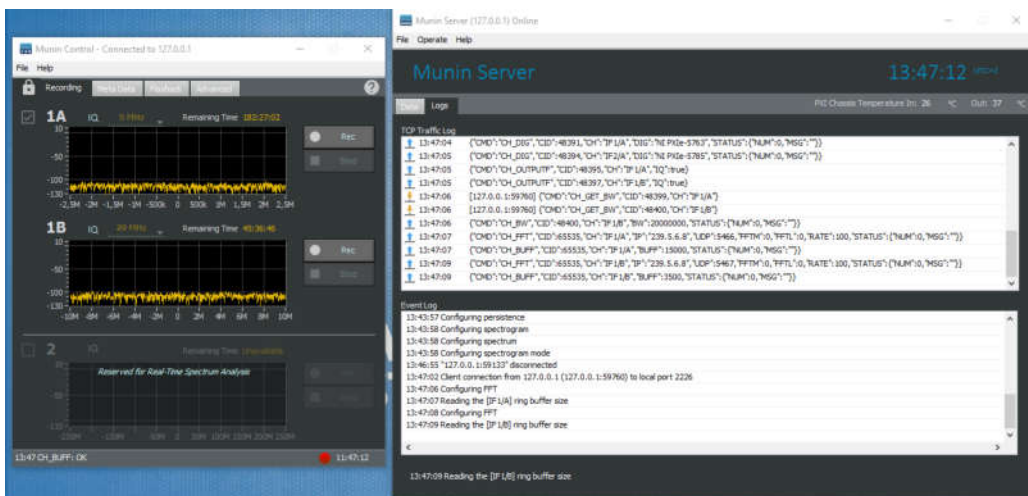

Figure 2: Munin Server and Control ready.

> NOTE: If the FFT spectra show data only for one second, and disappear for 9 seconds, your hardware license has not been activated. To activate license, refer to the section on "Licensing" in Munin Server User Manual.

Test Munin RTSA Control

> Applicable to systems with the RTSA option only

13. Install Munin RTSA Control Software (see [Service Manual](#)☐ 137) in the same system as the Server.

14. Configure Munin RTSA Control for setup test: open menu File >> System Settings… and enter the following parameters:

    a. Network >> Connections: MYCMDIP = 127.0.0.1

    b. Network >> Connections: HOSTIP = 127.0.0

15. Click OK to close the configuration dialog.

16. Restart Munin RTSA Control if requested.

17. Munin Server should show that a client connection has been made, and Munin RTSA Control should start showing data as in Figure 3 below. If Munin RTSA Control shows that the connection is made (Window title "Connected to 127.0.0.1"), but no data is shown, make sure that the data flows are enabled.

    a. Click "Configure" in the RTSA Control toolbar

    b. Make sure Enabled is checked and refresh rate is above 0.

    c. Adjust the values in the three display control sliders (Persistence/Saturation/Emphasis) to see if the graph shows up.

    d. Make sure the Spectrogram and Spectrum streams are enabled as well (checkbox in respective tab).

    e. Switch to the Spectrum display by clicking the corresponding button in the RTSA Control toolbar.

18. Close Munin RTSA Control
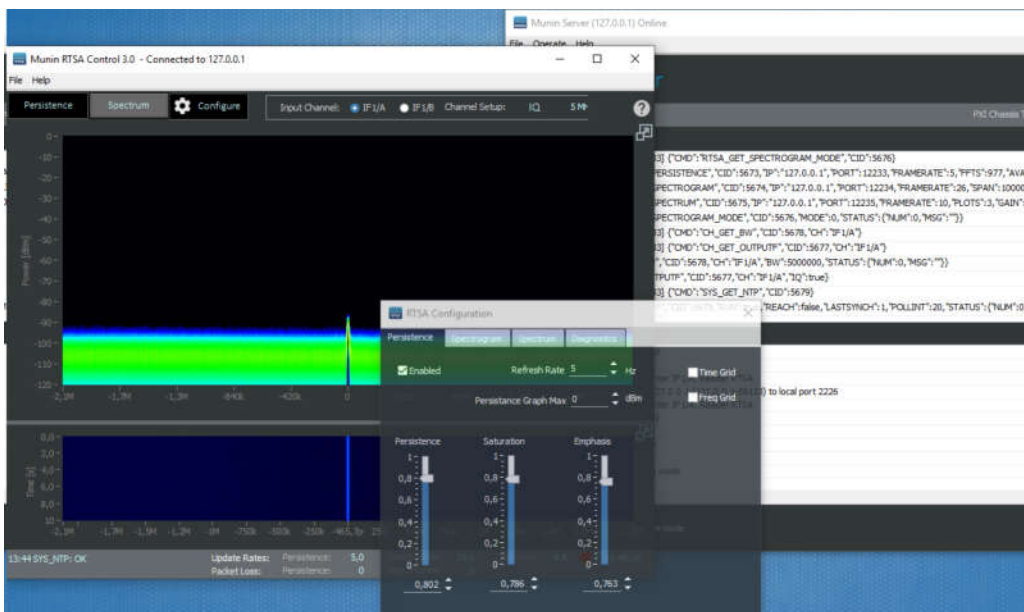
Test Recording and Replay

1. Start Munin Control if it is closed.

2. Make sure Munin Server is On-Line

3. Press the Rec button on channel 1A. "Recording" text should be blinking on the corresponding FFT graph. Also, Munin Server Event Log should indicate that channel recording has been initiated (see Figure 3 below).
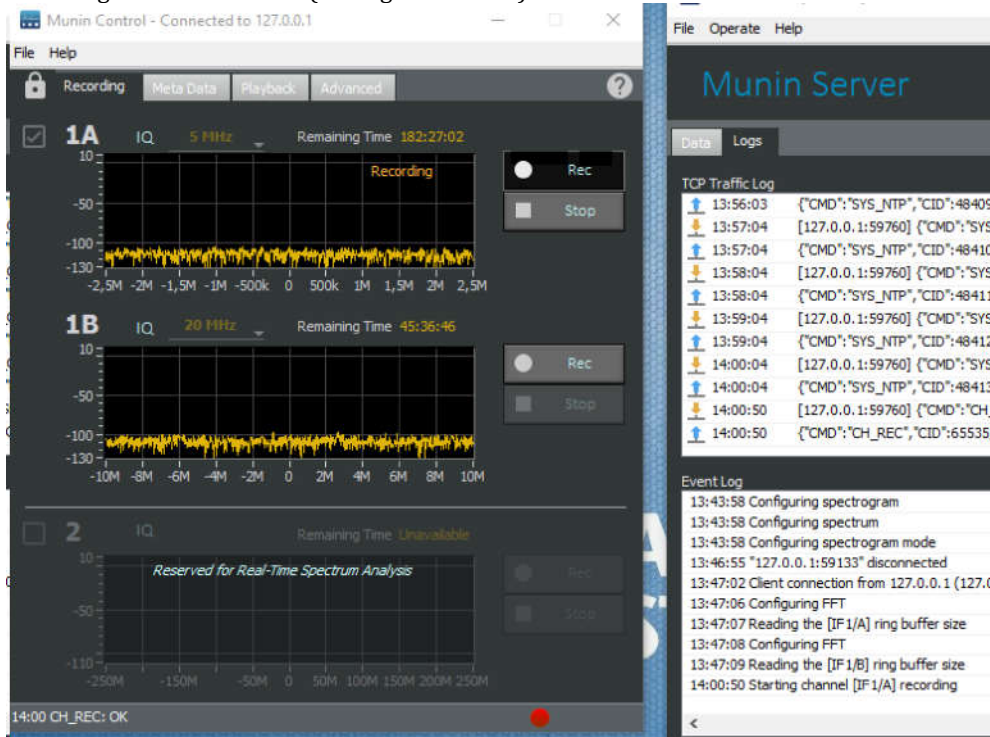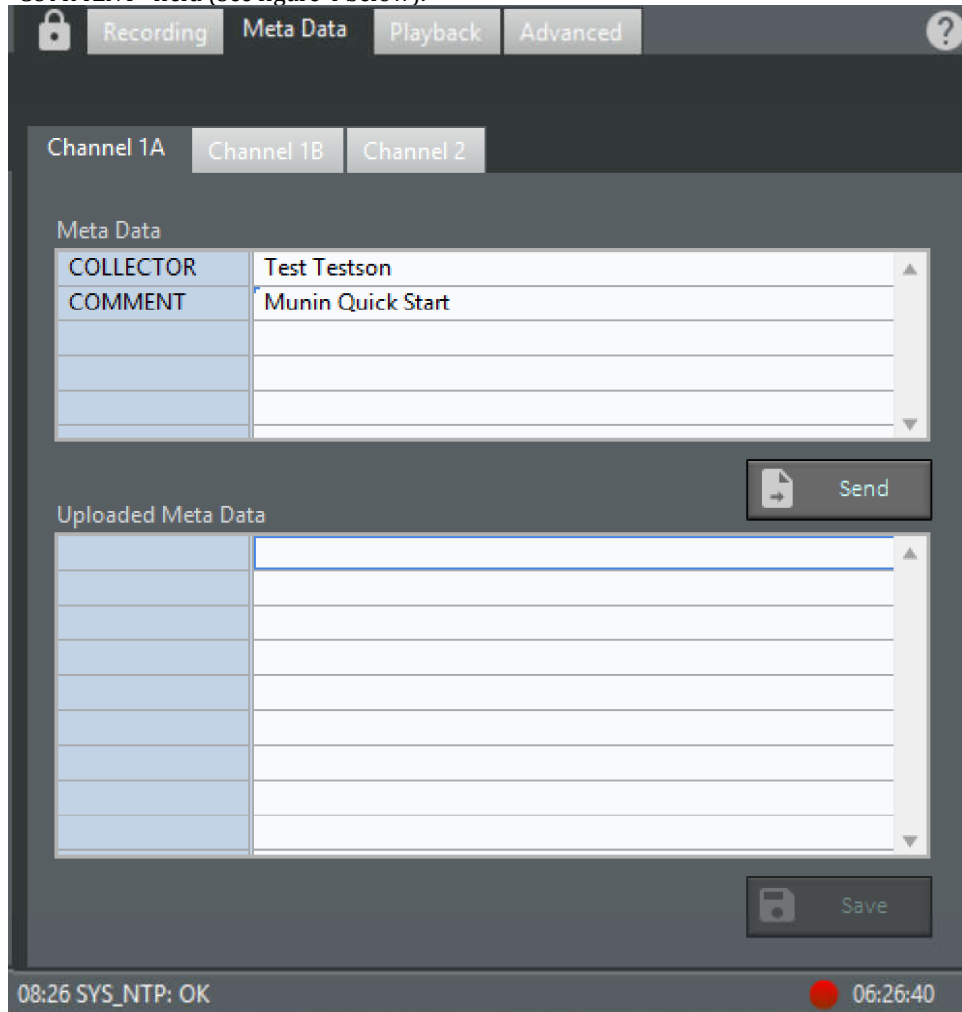

Figure 3: Recording Initiated.

4. Press Stop on channel 1A. Two buttons appear: "Meta Data" and "Cancel". Press "Meta Data".

5. The Meta Data tab is opened. Enter you name in the "COLLECTOR" field, and a comment in "COMMENT" field (see figure 4 below).

6. Press "Send"

7. Once the meta data has been sent to the server, a confirmation is sent back to Munin Control with the current data field values.

8. Press "Save" to complete file save. The "Recording" tab opens up and the program is ready for a new recording.

9. Test the file: open tab "Playback". The client will automatically send a command to request a list of newest recordings in the "Recent Files" drop down list. If your recording is not there, press the refresh button . The Meta Data for the selected file is automatically requested

from the server, and you should see the information from your recording show up here.
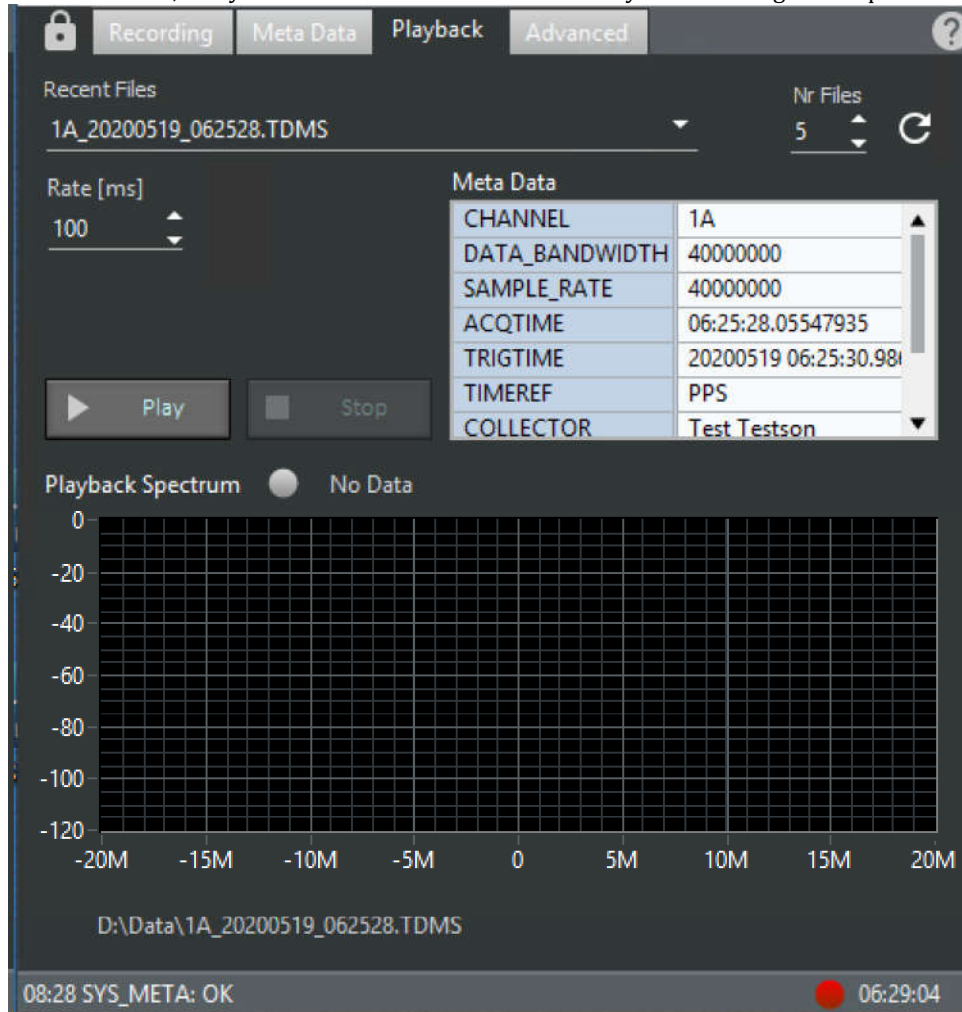

Figure 4: Playback.

10. Press the Play button. The program should show the acquired data. Note that a 1024 point spectrum is calculated from the data att the time interval indicated by "Rate", and the data between the calculations is not shown.

> NOTE: If the server software is not running with a license activated, the playback spectrum will flash only sporadically. This is expected behaviour. Refer to section on licensing for more information.