Saving and loading MFB Synth Pro presets and sequences via USB

By connecting the MFB Synth Pro and a computer via USB, installing a corresponding driver and using a terminal software, saved presets and sequences can be archived on a computer and be sent back to the unit if necessary.

1. Preparation

1.1. Installing the USB-driver

The MFB Synth Pro uses the **FT232H** chip by FTDI Chip to convert USB-data to serial data. To establish a connection between the computer and the synthesizer, a corresponding driver needs to be installed on the computer. This driver can be downloaded from the manufacturer's website: https://www.ftdichip.com/Drivers/VCP.htm

- Navigate to the VCP Drivers section.
- Download the driver which matches your operating system here.

Hint: In the *Comments column,* the Windows drivers can also be found as setup files which will make installation easier.

- Next, install the driver by double clicking the Setup.exe file. Use the corresponding .dmg-file under macOS respectively.
- Now connect the computer and the MFB Synth Pro using an appropriate USB-cable and switch on the synthesizer. To connect to the computer use the USB-socket type B on the synthesizer.
- Wait until Windows reports the device as being detected and usable. macOS will not report additional confirmations.

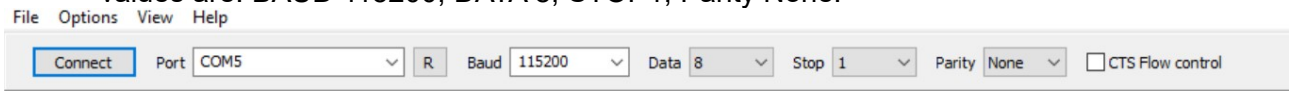
1.2. Installing a terminal software

Use a terminal software such as Hterm (Windows) or CoolTerm (macOS) to carry out the communication between the computer and your MFB Synth Pro.
For example, Hterm can be found here: https://www.heise.de/download/product/hterm-53283
CoolTerm can be found here: https://www.macupdate.com/app/mac/31352/coolterm

1.3. Connecting to the terminal software

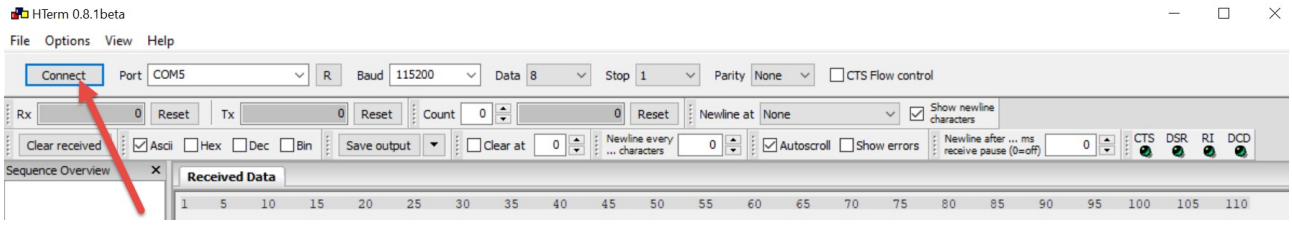
Hterm (Windows)

- Start Hterm.exe by double clicking the application icon.
- The COM ports are listed on the top left.
- Connect the MFB Synth Pro to the computer using USB. A COM number should appear after a short while. If necessary, press the button R once.
- A few numbers and data are displayed to the right of it that do not need to be changed. The values are: BAUD 115200, DATA 8, STOP1, Parity None.

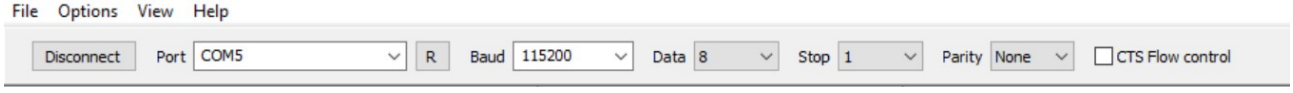


- Now, click to the button **Connect** to the left, until the term **Disconnect** is displayed. Done!

Hint: If nothing happens, the driver has not been installed successfully.

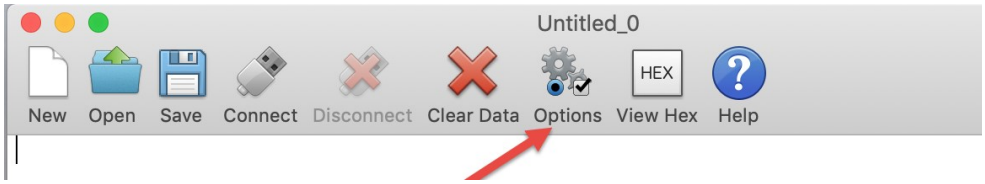


The result should look like this:



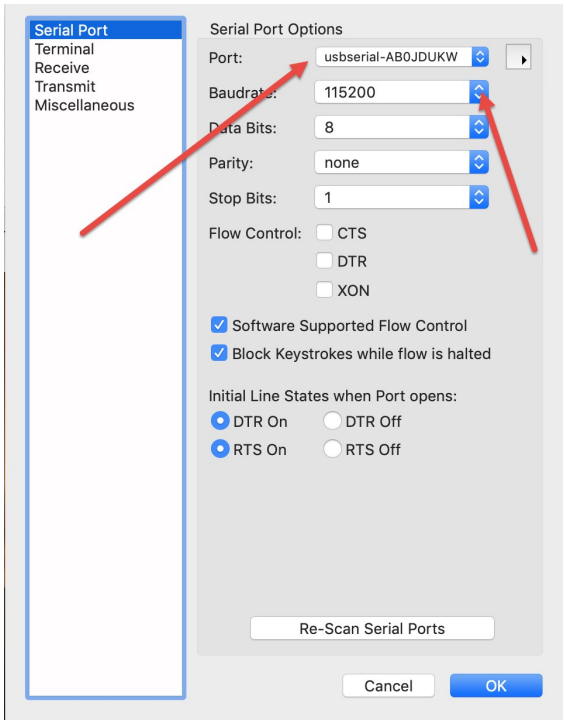
CoolTerm (macOS)

- Start CoolTerm by double clicking the application icon.
- Connect the MFB Synth Pro to the computer using USB.

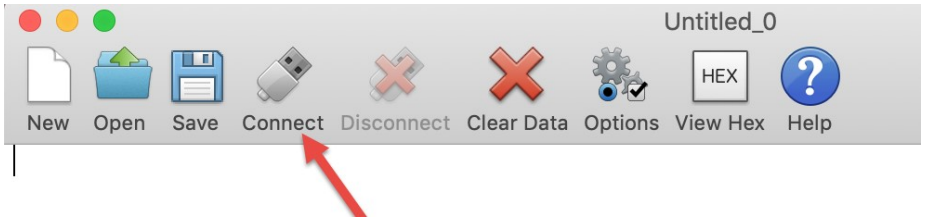


- Call up the entry *Options*.

- Under port, select the entry *usbserial-AB0JDUKW*
- If necessary, click the button *Re-Scan Serial Ports*.
- Choose a baud rate of 115200.
- The other parameter settings can be seen on the screen below. It should not be necessary to change any of the settings here.



- Close the configuration window by hitting *OK*
- Click on the button labeled *Connect*



- The status will be displayed in the footer of the software



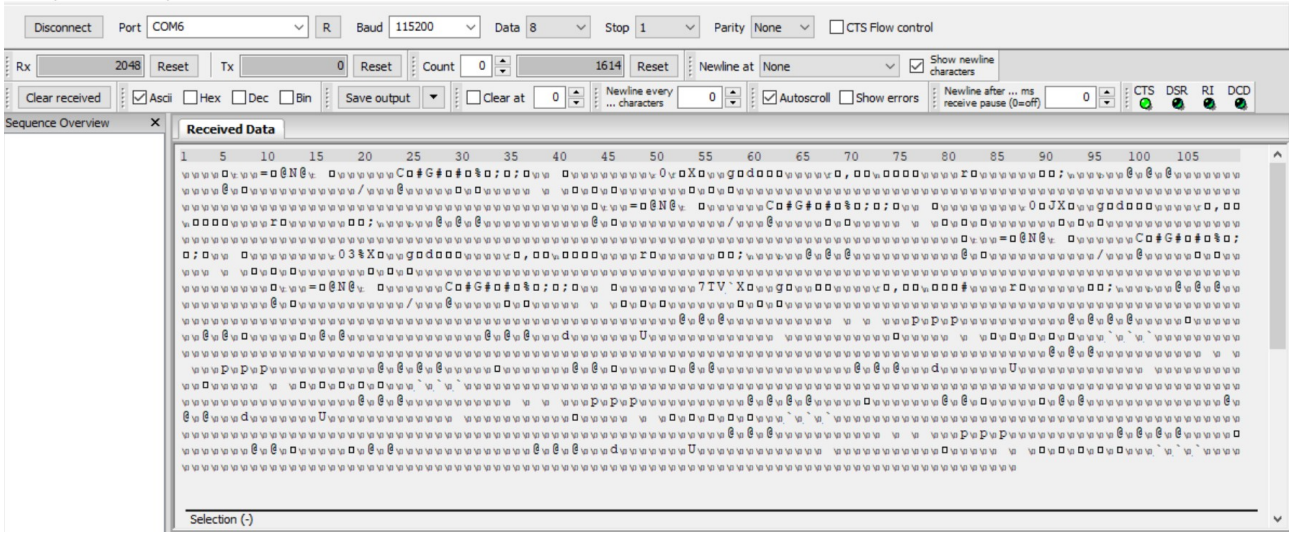
2. Saving presets to your computer

You can transmit individual preset-banks from the MFB Synth Pro to a computer via USB in order to archive these sounds.

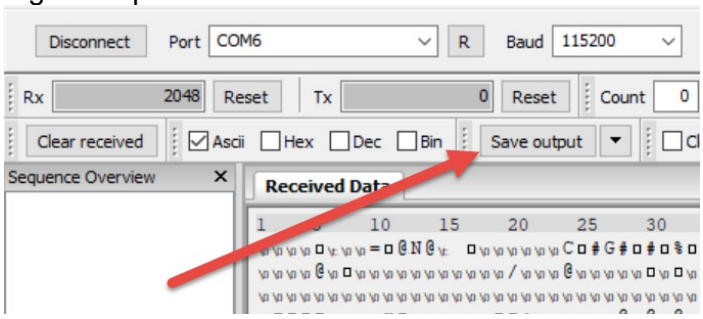
2.1 Save using Hterm (Windows)

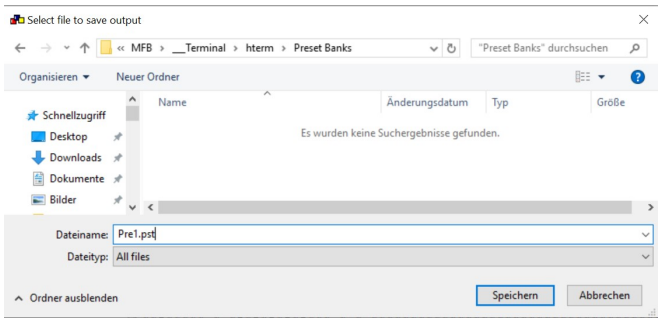
First make sure that the MFB Synth Pro has been successfully connected to the computer via USB and has been recognized by and connected to the terminal software.
Click *Clear Receive* in the terminal software to ensure that the software will only contain preset data after the transfer.

- Next, select a preset bank and a preset on your unit to activate that bank.
- Now select the menu page *USB Transfer* on the MFB Synth Pro.
- Set the parameter Preset to *Send.*
  Hint: You will be transmitting the whole preset bank.
- Press *Enter.* Both LEDs above the Enter button will now turn off.
- The monitor should now display the data of the active preset bank.



After having completed the transfer successfully, select the entry “*Save Output*” and name the file, e.g. Pre1.pst





Hint: To be sure that the transfer to the terminal software has been successful, test the saved file by sending it to an unused bank in your MFB Synth Pro. Carry out the descriptions in this manual to do so.

2.2 Save using CoolTerm (macOS)

First make sure that the MFB Synth Pro has been successfully connected to the computer via USB and has been recognized by and connected to the terminal software. Click *Clear Data* in the terminal software to ensure that the software will only contain preset data after the transfer.

- Next, select a preset bank and a preset on your MFB Synth Pro to activate that bank.
- In CoolTerm, navigate to *Capture to Textfile* under *Connection* and select *Start*.
- Assign a name to the file.
- Now select the menu page *USB Transfer* on the MFB Synth Pro.
- Set the parameter Preset to *Send.*
  Hint: You will be transmitting the whole preset bank.
- Press *Enter.* Both LEDs above the Enter button will now turn off.
- The monitor should now display the data of the active preset bank.

- In CoolTerm, navigate to *Capture to Textfile* under *Connection* and select *Stop*.
- Your presets are now stored.

Hint: To be sure that the transfer to the terminal software has been successful, test the saved file by sending it to an unused bank in your MFB Synth Pro. Carry out the descriptions in this manual to do so.

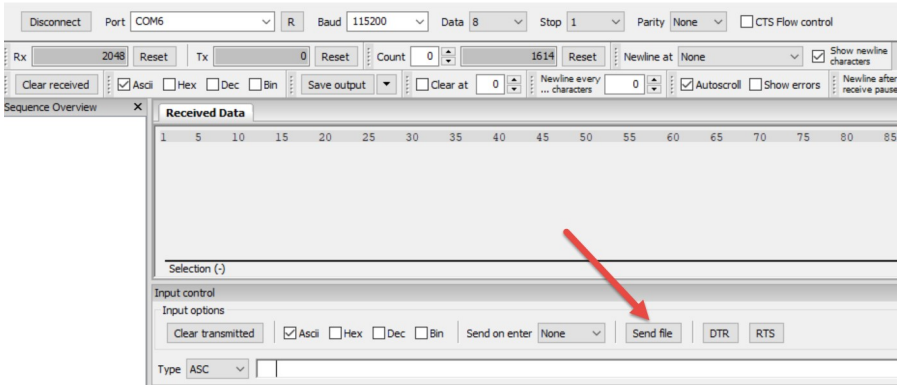
3. Transmitting presets back from the computer to the MFB Synth Pro

You can transmit individual preset banks from a computer to the MFB Synth Pro via USB, e.g. to restore the matching sounds for a specific project.

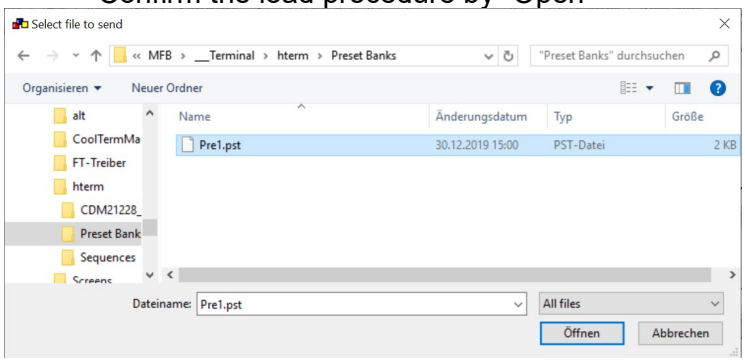
3.1. Transmit using Hterm (Windows)

First make sure that the MFB Synth Pro has been successfully connected to the computer via USB and has been recognized by and connected to the terminal software. Click *Clear Transmitted* in the terminal software to ensure that the software will only transmit preset data.

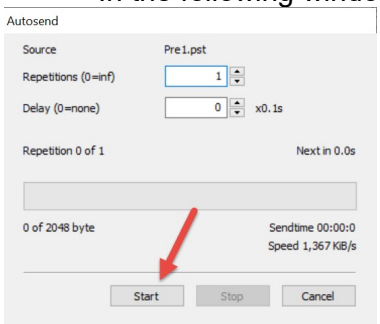
- Next, select a preset bank and a preset on your unit to define that bank as the target bank. **Attention: All sounds in this bank will be replaced by the following transfer!**
- Now select the menu page *USB Transfer* on the MFB Synth Pro.
- Set the parameter Preset to *Receive.*
- Both LEDs above the Enter button will now be lit red-green.
- Press *Enter.* (The LEDs will turn off.)
- Click "*Send File*" in Hterm.



- Confirm the load procedure by "Open"



- In the following window "Autosend", press *Start* to begin the transfer.

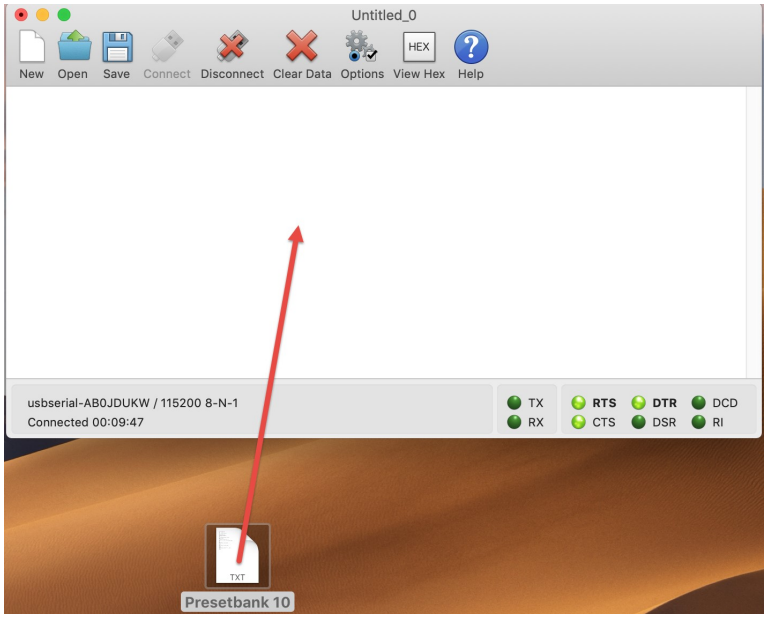


- Done!
- To be able to use the new sounds, you will need to call up a different preset location once.

3.2. Transmit using CoolTerm (macOS)

First make sure that the MFB Synth Pro has been successfully connected to the computer via USB and has been recognized by and connected to the terminal software. Click *Clear Data* in the terminal software to ensure that the software will only transmit preset data.

- Next, select a preset bank and a preset on your unit to define that bank as the target bank. **Attention: All sounds in this bank will be replaced by the following transfer!**
- Now select the menu page *USB Transfer* on the MFB Synth Pro.
- Set the parameter Preset to *Receive.*
- Both LEDs above the Enter button will now be lit red-green.
- Press *Enter.* (The LEDs will turn off.)
- Now drag the desired file onto the empty window area in CoolTerm.
- The file is now automatically being transmitted.



- Done!
- To be able to use the new sounds, you will need to call up a different preset location once.

4. Saving sequences to your computer
Archiving sequence banks works equally to saving preset banks on the computer. In this case you need to set the menu *USB Transfer* to SEND in the line ***Sequence*** on the MFB Synth Pro.

Hint: To be sure that the transfer to the terminal software has been successful, test the saved file by sending it to an unused bank in your MFB Synth Pro. Carry out the descriptions in this manual to do so.

5. Transmitting sequences back from the computer to the MFB Synth Pro
Saving sequence banks back into the MFB Synth Pro works equally to the corresponding procedure for preset banks.
In this case you need to set the menu *USB Transfer* to *Receive* in the line **Sequence** on the MFB Synth Pro.
Attention: Prior to the transfer, select an appropriate sequence bank. All sequences in this bank will be replaced by the following transfer!