WAVETOOL

Wavetool Legacy instructions for connecting to Sennheiser EM-3532

1.
Verify that you are running Wavetool with EM-3532 support. In Wavetool Edit Menu window you should see Poll Sennheiser 3532. If this is not the case, go to underline wavetool.fi/download and download the correct version.

2.
Connect USB - RS485 Serial Adapter to you Mac. Verify that the needed drivers are installed and up & running. We have tested Wavetool with **Brainboxes US-346** (4-ports / up to 40 ch of EM3532) and **US-324** (1-port / up to 10 ch of EM3532).

Two drivers needs to be installed:
1. http://www.brainboxes.com/faq/items/where-can-i-find-the-drivers-for-my-mac
2. http://www.ftdichip.com/Drivers/VCP.htm
Also **Serial Comm USB-4485** adapter (http://www.serialcomm.com) should work with EM-3532 but we have not tested it.

3.
Make sure that your serial cable from USB -Serial Adpter to the first EM-3532 receiver is connected. The correct pin out for the cable is:

EM3532 Interface				
Termination	**Device**	EM3532	Serial Card	Note: 120R between DATA+ and DATA- at Serial Card end; GND should also run on the sheild; DATA+ & DATA- should run on a pair
	Connector	DB-15M-HD	DB-9F	
Line	**GND**	5,6,12	5	
	DATA+	9	2,7	
	DATA-	10	1,6	

Please note that your existing cable from your previous EM3532 rig might be a wrong one so measure your cable.

4.
Make sure that your serial link cables between the EM-3532 receivers are connected.
The correct pin out for the cable is:

EM3532 Link				
Termination	**Device**	EM3532	EM3532	GND should run on sheild and in pair with GATE; DATA+ and DATA- should run in a pair
	Connector	DB-15M	DB-15M	
Line	**GND**	5,12	5,12	
	DATA+	9	9	
	DATA-	10	10	
	GATE	6	6	

5.

Make sure that all the receivers have independent ID. For changing ID`s, Wavetool Legacy has a menu item "Show adresses". Click that and you should see the ID number of each device in the EM3532 front panel. Now you can change the ID from front panel. **Restart Wavetool** after changing ID`s. If you have several overlapping ID`s, you need to power up receivers one by one to be able to poll the receivers and then change the ID`s.

6.

We have tested five receivers / ten channels per serial port with Wavetool Legacy. With 4-port device this gives you maximum of 40 channels of EM3532 which you`ll be able to monitor with Wavetool Legacy.

For more information, please contact support@wavetool.fi