

There are several possible reasons why you are seeing irregular EMG signals. These instructions explain how to troubleshoot the problem. If you need assistance, please call (480-443-3413 -> US/Canada may call 1-800-364-8985), email Noraxon's Technical Support at support@noraxon.com or contact your local Distributor.

The recommended procedure is listed below:

- 1) **“Short out” all the pre-amp leads.**
 - a. This is done by sticking 2 electrodes back-to-back so there is a snap on either side. Then attach the pre-amp lead snaps to each snap on the electrode.
- 2) **Verify using MRXP or MR98 that all channels have a signal at zero.**
 - a. With all the leads “shorted out”, start a measurement in MyoResearch XP (or MyoResearch 98). You should see a signal at zero for all the channels you are using. If the signal is not at zero, click the “Zero Offset” button in MyoResearch XP or the “Calibrate” button in MyoResearch 98. If you see signals or a band of noise for a channel, verify that all the leads are “shorted out”.
- 3) **Be sure to “short out” or remove any unused leads.**
- 4) If a channel is not giving the expected signal, switch the “good” lead with the “questioned” lead. **Be sure to put the “questioned” lead on the electrodes used with the “good” lead.**
- 5) Determine if the “questioned” lead works properly in this new channel and electrodes. If this “questioned” lead now gives the expected signals, the problem is most likely due to the electrodes on the body in the previous site.
- 6) Determine if the “good” lead works properly in the channel and on the electrodes where the “questioned” lead was previously.
- 7) If the “questioned” lead now works, but the “good” lead does not work, there are 2 possible reasons:
 - a. The electrodes on the channel where the “good” lead is now (instruction #6) are not making good contact with the body. This can be due to the electrode not sticking properly or the electrode gel has dried out. Remove the electrodes, clean the skin again, then attach the new electrodes to your subject.
 - b. (Rare) The analog input port on the Active Cable Set is not functioning properly.
- 8) (Occasional) If the “questioned” lead does not work, but the “good” lead does, then there is a good chance that the “questioned” lead is not functioning properly. Please contact a Noraxon representative for further assistance.