

## Instructions for Installation and Operation of the Microtrack II

The recorder is supplied with condenser mics which do require phantom power to be turned on. If testing with one of your dynamic mics, then turn phantom off throughout.

Install the mics above the bells close together, preferably only an inch or two apart, but not touching, and at the same height pointing downwards hanging from their cables. When plugging in the cables please reinforce and make them safe by wrapping insulation tape over the join (I have included a fresh roll). Get the mics as high as is reasonable, preferably at least 10 feet above the mouths of the bells when up but if possible then 16-20 feet would be great. Do not bother with the windshields on the mics – the slide over woolly hats – they aren't necessary and will get lost. The mics are already set correctly so don't change the switches on them. The mics can stay up the tower provided they are not going to get wet!

The cables are 160 feet long. You have 4 so it should be plenty! I have tested them all, and repaired one. If you get close with one cable then I will be bringing some 25metre cables on the Friday night, and that might be better than running another 160 feet. The cables have a habit of tying themselves in knots so be careful when you let them out! It's a long and tedious job sorting them out. You will see that the free end of each coiled cable is the end that will go closest to the microphone, so it may be best to calculate roughly where the first cable is going to get you to, place the reel there, and then feed out and upwards pulling it up the tower. I would preferably like the cables back in the same configuration!

### Recording

1. Make sure everything is turned off to start!
2. Plug the microphone cable into the left channel (large connector marked L in top of recorder). There is an adapter from XLR to TRS in the box.
3. Attach the device to the mains using the USB cable and the mains adapter. The unit will run on internal batteries alone – but for how long???
4. Turn on recorder by pressing on/off button (at top left of screen) for a few seconds.
5. Make sure the hold button on left hand side is set to the unlocked (down) position.
6. Turn phantom power on (switch marked +48v on left side goes to up position). Do not remove the microphone cable from the device whilst this is turned on!
7. Use the Nav button/rocker on right to navigate the menus.
8. Go to SYSTEM-FORMAT MEDIA to clear all old recording files from the card memory. The device will reboot once formatting is complete.
9. Check and if necessary set the RECORD SETTINGS. These are the settings needed:
  - a. Input Source [1/4" TRS]
  - b. Input Monitor [On]
  - c. Encoder [WAV]

- d. Sample rate [44.1]
  - e. Bits[24]
  - f. Channels [Mono]
  - g. Limiter [Off]
10. With bells ringing, start recording (by pressing the red button).
  11. Adjust gain (using the levels L rocker button, bottom left) upwards until the red light above the rocker flickers. Then reduce the gain until the red light no longer flickers and then further reduce by 5 more finger clicks down to give some headroom.
  12. To stop recording press the red REC button once more.
  13. To turn off the recorder make sure you turn off the phantom power (+48v button on side of recorder) before disconnecting the microphone cable. Then hold the on/off button in for a few seconds to turn off the device.

To get the files off onto computer

1. Connect the device to a USB port using the cable supplied.
2. Turn the device on.
3. From the menu go to SYSTEM – CONNECT TO PC. Press Nav button to confirm.
4. The device should appear as a drive on the computer, and the files can be copied.

Listen to the ringing you have captured and see whether you think any bell is overly shouting. If so then moving both mics a few feet in one direction or another will probably sort it out. They don't all have to be even, but they should be pleasant to the ear.

Please do a test record on each mic and send it to me for quality purposes. The recording can be as long or short as you like but should be on all 12.

Best of Luck!  
Richard