

User Guide

GB3TD - Swindon UHF FM Repeater

Using the repeater

The output frequency of GB3TD is 438.3875 MHz and the input frequency to the repeater is 430.7875 MHz ie. a - 7.6 MHz shift. The channel number is UR63. This is a reverse way round to the RU channel repeaters. i.e., GB3BS, GB3NP etc.

You will need to tune **your** radio to transmit on 430.7875 MHz and receive on 438.3875 MHz with a CTCSS tone of 118.8 Hz

To gain access to the GB3TD repeater you must provide a CTCSS tone set to 118.8Hz whilst transmitting and keep the transmitter on for at least 3 seconds this will then open the repeater and when accessed you will hear a “K” (-.-) in Morse code come back before the repeater closes down.

If you are operating CTCSS decode on your radio, you may not hear the “K”, this is due to the on time of the CTCSS code from GB3TD being set to 1 second after carrier drop

Some radios e.g. Baofeng and Yeasu have specific tone decode systems which still allow the “K” to be heard compared with other PMR standard systems.

The repeater has a 6-minute timeout where timeout pips will be heard at the same time as the rag chewer. The repeater will close down until the signal on the input has cleared down.

Should site power fail, the “K” will be replaced by the morse character “P” (-.-.) to indicate that the repeater is running on battery backup. Please keep usage brief during this period, this will preserve the battery power for as long as possible under emergency conditions.

Repeaters in the UK are provided for the benefit of all amateur radio stations; however their primary role is to assist communications between mobile/mobile and mobile/fixed stations. Fixed stations are of course very welcome but do please allow for the mobile user(s) to have their chance to use the repeater especially if you are in simplex range of the station that you are working.

More about operating on Echolink can be found on the ECHOLINK and GB3TD page of the RRG website.

Thank you for using GB3TD.