

User Guide

GB3TD - Swindon UHF FM Repeater

Using the repeater

The output frequency of GB3TD is 433.075 MHz and the input frequency is 434.675 MHz i.e. a -1.6 MHz shift.

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

The repeater will give a “K” (-.-) at the end of a transmission that lasts longer than 2 seconds. 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 particular radios i.e Baofeng and Yeasu have specific tone decode system which still allows the “K” to be heard compared with other PMR standard systems.

The repeater has a 6 minute time out where time out 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 it's 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 lone 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.

During time when Echolink is in operation, you will hear the callsign of the linking station in CW i.e G4XUT or G0UWS.

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

Thank you for using GB3TD.