

# How to control Softmark's USB DTMF Module from your own application



## Ver 7.15 (W9X and W2K/XP) of software to control Softmark's DTMF Transceiver

Softmark has designed a new version of ActiveX to assist you in your USB development and let you control another Softmark USB module from your own application.

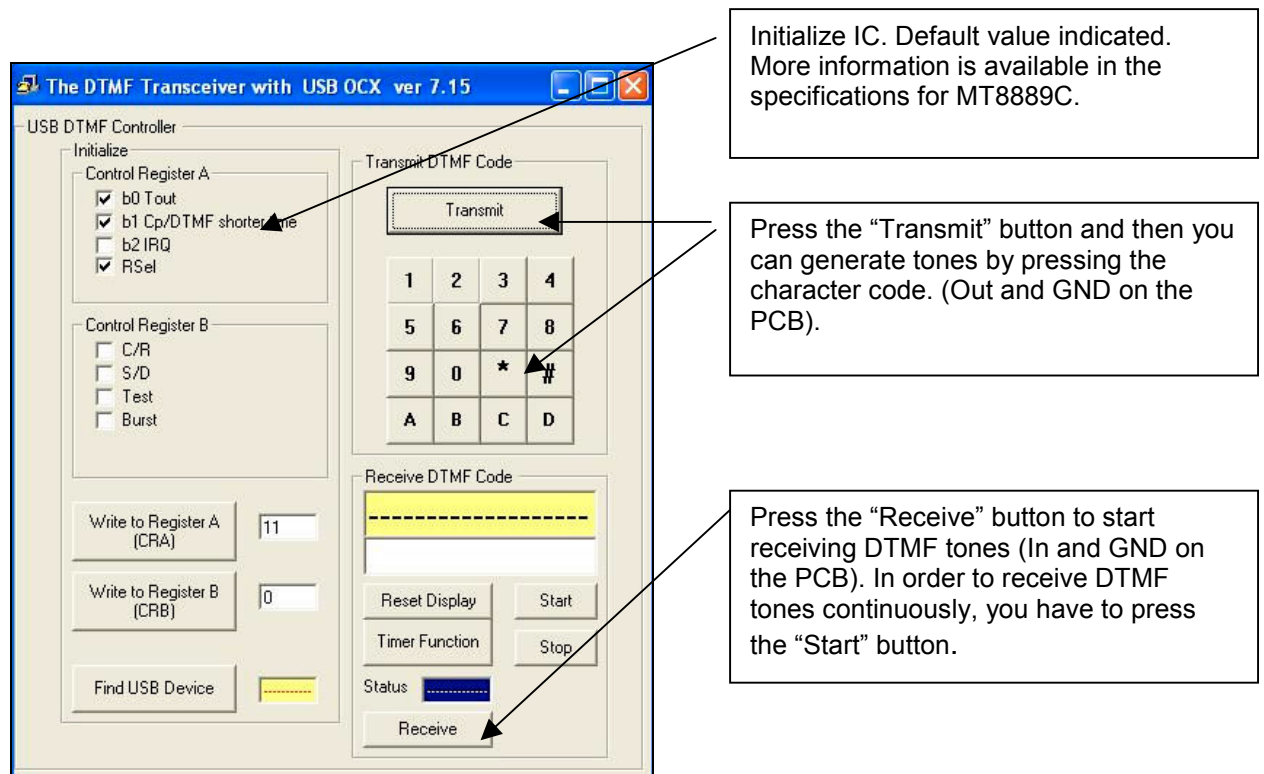
The USB DTMF Transceiver can be controlled from Softmark's application software or from your own software. This document shows how the USB OCX can be used. You can use the USB OCX in your application.

We provide the USB OCX which can be used to control the DTMF Transceiver board via the USB bus.

First, you have to install the USB OCX on your PC. This process is straightforward and was described in a different document which can be downloaded from the Softmark web site. After the USB OCX is installed, you are ready to use it.

We provide a sample program in VB6 which shows how the USB OCX controls the module (see Figure 1 below). Sample program with source code is included on the CD.

Please run the sample program from the CD. The program will guide you on how to control Softmark's USB DTMF Transceiver module from your own application. You can modify the sample code in any way.



**Figure 1.** Virtual panel of sample program.

In the sample program, you have to press the "Transmit" or "Receive" buttons, as instructed above.

The sample program uses commands accepted by MT8889C. In the IC specifications, you can find more commands which can also be used in the sample program. This is easily found on the Internet.

A few commands are used to initialize the IC before the DTMF Module receives or transmits tones. For example, time for tone transmitted DTMF can be varied – it is set during initialization. Our sample program illustrates this.

If you require more information, please contact us [softmark@ar.com.au](mailto:softmark@ar.com.au).