

Anytone BT-01 Microphone

Introduction

AnyTone is offering a Bluetooth Microphone (BT Mic) which includes a 2.2 inch display, keyboard, speaker and microphone. The 4.25" x 2.5" x 1" compact design replaces a radio with have a removable front design. The BT Mic works together with the AnyTone mobile D578UV/D578UVPRO/D578UVIIPRO radios and offers full control of that radio from the wireless BT Mic. The BT Mic also comes with a coiled 2' cable which can be connected to the radio for direct control. The BT Mic has a built-in battery which is charged via a type "C" USB connector from a 5 Volt supply. It further has a headset connector on the right side so you can use a headset with microphone together with the BT Mic. The BT Mic also allows for a memory card to be inserted next to the headset connection.

Initial Setup

Use a standard 5V type "C" USB cable connected under the headset cover to charge the BT Mic. The front right LED lights will be red when the BT Mic is being charged, and the LED light will go OFF when the charging is completed. When connected to the D578 via a cable, the BT Mic will be charged as well. The D578UV series of radios do require a firmware update to work with the BT Mic. Use firmware V1.16b for the D578UV and V2.03b for the D578UVII or later versions.

Power On

The BT Mic is powered on by pressing the top center [POW] button for 5 seconds. The LED lights green and the screen display "Select Port" with 2 options: 1) **BT MODE** 2) **Cable Mode** for the cable connection. Press the Up/Dn button on the front to select "BT Port" or "UART PORT". See "Enable BT01 Power On/Off control" to enable the BT01 to turn on/off the radio via the Power Button on the BT01.

Enable Power On/Off control (optional)

To allow the BT01 to power on/off the radio unit via the Bluetooth Microphone you will need to enable this feature either via the CPS or via the BT01.

Enable via BT01 --> Go to Settings -> Radio Set -> Other Function -> Shut Rf Syn -> set to on.

Enable via CPS --> Go to Optional Settings -> BT -> Bt Synchronization ShutDown Host -> Set to on.



BT Pairing to the D578UV

Power ON the BT Mic and select "BT Mode", the screen displays "NO DEVICE CONNECTED". Start the BT pairing from D578UV radio by selecting Menu/Bluetooth/etc. The D578UV will find the BT Mic which has a Bluetooth name like: **ELET_AGHT_LE9D10** and confirm the pairing. This will load data into the BT Mic the first time to be able to control the D578UV radio just like from the radio front panel. The D578UV radio, after pairing, will show "Work in BT OpMode" and the only key now available is the EXIT key to cancel the connection. The BT Mic may reconnect to the D578UV if power is left on. Once paired, and with continued connections, the BT Mic will show "**All Data Checking**" for a few seconds up to 30 seconds before being paired with the D578UV radio each time. This is normal.

BT Microphone Operation

(1) Channel/Frequency Selection

When the BT Mic is connected with D578UV radio, the CH+/CH- buttons will default to Volume UP/DN. A short press of the top [POW] button will toggle the top CH+/CH- button to a channel selection / frequency selection function. The two left and right top buttons are for channel selection when in channel mode, and for frequency programming when in frequency mode.

Notice: Entering the channel number (4 digits) or frequency with the keypad will also switch to the selected channel/frequency.

(2) Zone Selection

When the BT Mic is paired with the D578UV radio, pressing the Up/Dn button on the front panel of the BT Mic in channel mode will switch to a different zone. Please note there is a slight delay between the push of the up or down button and the actual change of the Zone

(3) Volume Adjust

In Standby mode, a short press of the top [POW] button will switch the top CH+/CH- buttons to become the volume adjustment. The BT Mic will display a message that this change has been done. Notice: If you believe that the volume set by the top two buttons is too high or too low, you can set the "RfBT Spk Gain" under the Menu/Bluetooth of the BT Mic to a level between 1 and 5 and make sure the radio volume is not set to 0 as then the BT speaker will be muted. You can also, via the Menu, select if you want only the BT Mic speaker, or both the BT speaker and the radio speaker to deliver the sound. If you select the radio speaker, then the radio volume controls are used to increase and decrease both the BT Mic and the radio volume (the BT Mic volume up/down still works for the BT speakers).

Function Operation

When the BT Mic is paired with the D578UV radio (via cable or Bluetooth), all of the D578UV functions can be operated from the BT Mic. Note: The front P1 through P6 on the radio does not function when the BT Mic is used. The volume controls must not be set at 0 to give the BT Mic its volumes - any position except 0 is valid.

P1 to P3 Programming

The BT Mic has 3 programmable buttons below the PTT on the left side. The function of these needs to be programmed independently from the P1 - P6 on the radio using the BT Mic Menu under Settings/Radio Set/Key Func. Due to Bluetooth communication, the result of pushing one of these 3 buttons may take up to 5 seconds to implement. Have patience.

Power Off

In Standby mode, press the top [POW] button for 5 seconds or until the display powers off.

When the BT Mic is paired with the D578UV radio, the BT Mic will automatically power off when the D578UV is powered off with its front power button. The D578UV can be returned to local operation by pushing the "EXIT" button on the radio, or by turning off the BT Mic.

Microphone Cable

The BT Mic is delivered with a 2 feet coiled cable. To use this cable make sure you set the BT Mic during power up to "Cable Mode" before you connect the BT microphone to the D578UV radio with the cable. When the cable is in use, the D578UV radio will supply power to the BT microphone, and the battery inside the BT Mic will be charged from the radio. A standard CAT5 cable of longer length may be used if the power from the radio is desired for the BT Mic.

Battery Capacity

The built-in battery is a lithium type battery which may be sensitive to extreme cold temperatures. The battery typically will last for 12+ hours when the BT Mic is connected to the radio via Bluetooth and the display is on constantly. When connected with the cable to the radio, the battery is being charged from the radio.

