

# TG Standalone API

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## **TGAPI\_Initialize()**

Call this function first, to initialize your USB-TG44A. Opens connection to the device. Returns an error code, or 0 for success. Connection closes automatically when you exit your application.

## **TGAPI\_SetFrequency(float freq)**

Frequency in Hz, 10 Hz to 4.4 GHz. Rounds to the nearest 10 Hz. Sets the output frequency for the USB-TG44A. Returns an error code, or 0 for success.

## **TGAPI\_SetAttenuator(float atten)**

Sets attenuator, in dB. 0-30 valid. Rounds to nearest dB. Typical output power is (-6 dBm – atten) ±3 dB. Returns an error code, or 0 for success.

## **TGAPI\_ReadCalData()**

Reads calibration data from USB-TG44A, enabling you to set a frequency and amplitude, rather than just frequency and attenuation. May take up to 10 seconds to complete.

## **TGAPI\_SetFreqAmplitude(float freq,float ampl)**

Set frequency in Hz and amplitude in dBm (-30 to -10 dBm) Returns an error code, or 0 for success. Requires a call to ReadCalData first.

## **Disabling TG Output**

To turn off TG output, set attenuator to 30 dB and frequency to 0 Hz.