

## Remote Audio Calibration Requirements

### Microphone:

Anthem Receiver - No Additional Microphone. Download typical Anthem microphone calibration file to use in RTA software.

Anthem microphone calibration file:

[https://drive.google.com/open?id=1KbRIOg1KLih1\\_YJd5kL-nYyy2jBwVFNS](https://drive.google.com/open?id=1KbRIOg1KLih1_YJd5kL-nYyy2jBwVFNS)

Other products – Dayton UMM-6 USB (preferred) or UMIK-1 USB Measurement Microphone (iPhone or iPad requires thunderbolt to USB Camera Adapter for iPhone Software), download microphone calibration file (90 deg for UMIK) to use in RTA software.

Tripod with microphone clip or gooseneck with clip to hold the mic. A simple microphone gooseneck and clip can typically be positioned at the top of the seat to hold the microphone.

### Video Conference Capability:

It greatly aids the process if you have the ability to share the image and menus on your screen in real time. Facetime is a great tool for this.

### Software:

Windows PC (preferred) – TrueRTA (1/3 octave or better license). Install house curve from google drive and set the software to use the inverse. Install microphone calibration file.

Windows PC (preferred) – TeamViewer remote PC control software.

<https://www.teamviewer.com/en/download/windows/>

TrueRTA house curve:

<https://drive.google.com/file/d/1jNvsHUAfLTqI-sq3EdAZqGFhZiif5Zkj/view?usp=sharing>

iPhone or iPad – Studio Six Digital RTA. Install the microphone calibration file.

### Room Acoustics Assistance:

Assistance with room acoustics uses the microphone and Windows PC or Mac OS.

MP4 Dolby Digital test material or DVD ISO file and AudioNet software are available at:

[https://drive.google.com/drive/folders/1ZvxZGIAxHaBWkTtFqYkYaSPi\\_IU58Qip?usp=sharing](https://drive.google.com/drive/folders/1ZvxZGIAxHaBWkTtFqYkYaSPi_IU58Qip?usp=sharing)

WARNING! AudioNet test material should be played back at low volume levels to avoid equipment damage. Start with the volume at -30 db and increase the volume slowly until it is loud enough to pass the software test for all channels. The room must be VERY quiet for these tests to work.

### Audio Calibration Test Material:

All systems - Avia Guide to Home Theater DVD

Dolby Atmos - Dolby Atmos Demo Blu-Ray Disc September 2015 (eBay) or the ability to play Atmos MKV files from my google drive link below. Some Oppo players and network clients can play MKV files from a USB drive or network drive. MKV files can also be burned onto a Blu-Ray

MKV Atmos test files:

<https://drive.google.com/drive/folders/1CoxvUpipWXb87Z30YKz6JngZCe95FdTe?usp=sharing>

#### Pre-Preparation to Remote Calibration To Save Time:

Verify all speakers and subwoofers are functioning with Avia Guide to Home Theater for up to 5.1 systems or Dolby Atmos Demo test tones for greater than 5.1 speaker layouts. **DO NOT TRUST THE INTERNAL TEST TONES.** Dolby Atmos requires; bitstream data, secondary audio off in player; Dolby Surround processing on. Dolby Atmos mode should be displayed on the receiver information panel when it is detected and processed in the receiver or preamp.

Measure speaker and subwoofer distances to the primary seating location where your ears would be located.