The AccuVoice AV205 is a compact amplified speaker system created by ZVOX Audio for the audiology profession. With the AV205, an Audiologist can provide a client with a compact TV sound system configured for the client’s specific audio needs.

The AV205 features the ability to switch between three sound modes using the ACCUVOICE button on the client’s remote control. Repeated presses of the ACCUVOICE button selects AC_1 and AC_2 and then the normal surround mode (designated by Sr). The programmed AccuVoice mode (AC_1) is created by the Audiologist. Standard AccuVoice mode (AC_2) helps people with minor age-related hearing loss. The SURROUND button sets which of three multi-channel sound modes is used (Sr 1, Sr 2 and Sr 3). Refer to the User Manual of the AV205 for further information about the controls available on the standard AV205 remote control.

The Audiologist uses the ZVOX Audio Audiology Remote to make the adjustments described below. This remote control is available separately for the Audiology profession and should be retained by the Audiologist. Each AV205 comes with standard remote control, which provides volume, mute and tone adjustments plus selection of the digital or analog input. A diagram of each remote follows.

The AV205 has five separate adjustment categories that apply to AC_1 mode:

**FOCUS** provides three levels of increasing emphasis on dialog, with a corresponding reduction of music, sound effects and other background sounds.

**VOICE** adds an adjustable amount of synthetic harmonic content to dialog (specifically to “formants”) to better suit the remaining hearing capability of a client. There are four increasing levels.

**FREQUENCY COMPENSATION** provides three increasing amounts of emphasis centered at 4500 Hz. Both amplitude and bandwidth increase with higher settings.

**BASS REDUCTION** reduces output below 500 Hz. This eliminates distracting elements of wide-range sound that can interfere with dialog intelligibility.

**COMPRESSION** provides four levels of restricted volume variation. It increasingly forces all program material to be played at the single output level set by the volume control.

The five parameters are set by the Audiologist, he or she can review the five settings by repeated presses of the REVIEW button. The CLEAR button returns all settings to the defaults.

How to adjust the AV205

You need the Audiology Remote to adjust the AV205.

Make sure the AV205 is connected to AC power. To turn on the AV205, you can press the POWER button on the AV205 endcap, press the POWER button on the standard AV205 remote, or press either VOLUME button on the Audiology Remote.

Adjustments:

**FOCUS:** Choose one of three levels for FOCUS using the three buttons. You will see the following when you choose FOCUS level one, two or three:

- **FOC 1, FOC 2, FOC 3**

Increasing the FOCUS setting reduces parts of the multi-channel audio program that are not monaural. The vast majority of dialog on multi-channel TV, video and movie programming is monaural, so this selectively removes distracting program material.

**FREQUENCY COMPENSATION:** Choose one of three levels for FREQUENCY COMPENSATION. You will see the following displays:

- **FCP 1, FCP 2, FCP 3**

Each setting of FREQUENCY COMPENSATION increases the audio program content centered at 4500 Hz.

**BASS REDUCTION:** Choose one of three levels for BASS REDUCTION using the three buttons. You will see the following displays:

- **bAS 1, bAS 2, bAS 3**

Each increased setting of BASS REDUCTION removes more audio content below 500 Hz.

**COMPRESSION:** Choose one of three levels for COMPRESSION using the three buttons. You will see the following displays:

- **CPS 1, CPS 2, CPS 3**

COMPRESSION restricts variation in audio program output level.

**VOICE:** Choose one of four levels for VOICE. You will see the following displays when you choose VOICE level one, two, three or four:

- **ICE 1, ICE 2, ICE 3, ICE 4**

Each setting adds synthetic harmonic content to formants in the audio program. This can increase dialog intelligibility for a client.
AccuVoice AV205 Speaker Adjustment Guide.

The AccuVoice AV205 allows audiologists and hearing aid dispensers to fine-tune five different parameters to suit individual patients’ needs. This guide provides recommended settings based on an individual’s audiogram.

**Recommended Settings Based On Audiogram Configurations**

The following configurations can be used for various degrees of hearing loss. Use the suggested settings below and vary the volume to compensate for the amount of amplification needed. Press the Clear button to reset to the default settings.

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### Suggestions for using Compression [CPS]

Using this feature ensures the level of sound produced by the device will be restricted (compressed) to fit the dynamic range requirement of a client. Here are examples of the effect of the three settings:

- **no CPS**
- **CPS1**
- **CPS2**
- **CPS3**

Please note that it is likely that the output level will increase when CPS is activated. The client’s preferred volume level setting will decrease as the CPS level increases.

If the client uses a hearing aid, the following settings are recommend as a starting point for improved intelligibility.

<table>
<thead>
<tr>
<th>AV205 Feature</th>
<th>Symbol</th>
<th>Setting</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Compensation</td>
<td>CPS</td>
<td>1 or 2</td>
<td>Use if sound distorts or echoes</td>
</tr>
<tr>
<td>Compression</td>
<td>CPS</td>
<td>1</td>
<td>Amount of dynamic compression</td>
</tr>
<tr>
<td>Volume Adjusted Range</td>
<td>AC1, AC2</td>
<td>1 to 2</td>
<td>Use to improve speech discrimination</td>
</tr>
</tbody>
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### About ZVOX Audio

The AV205 is a product of ZVOX Audio, a company specializing in convenient single-cabinet sound systems for TVs. ZVOX Audio SoundBase and soundbar products are unique in providing easy-to-connect, single-cabinet solutions for better TV sound. The optical digital and analog audio inputs on the AV205 insure it easily connects to virtually any HDTV. In addition, the AV205 can respond to the client’s preferred remote control, not just the supplied ZVOX Audio remote.