

VBrick's AudioMate™ is an innovative, compact, self-contained audio conference microphone system that connects directly to any VBrick codec. The AudioMate provides full-room audio conference performance by automatically detecting the location of speaking people and steering its dynamic audio pickup beam in their direction. With this sophisticated technology, AudioMate is the perfect full duplex hands-free audio accessory to match the TV-Quality video provided by the VBrick's MPEG codec!

#### Simplicity & Low Cost

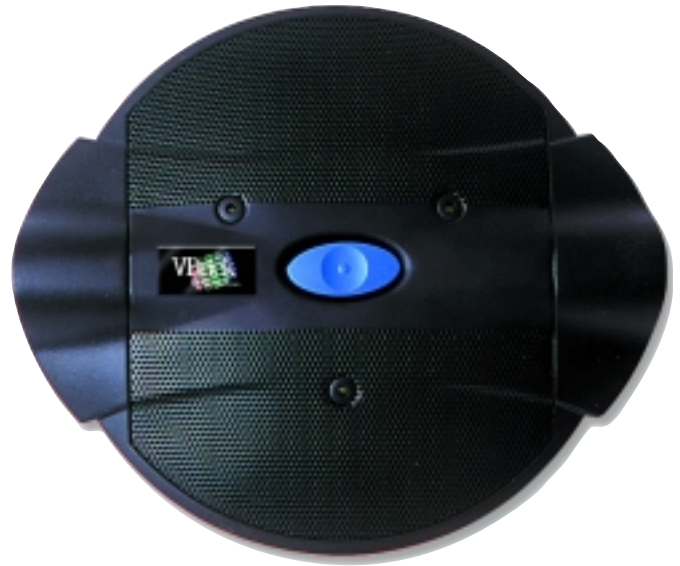
AudioMate plugs right into a VBrick 3000 Series codec and is fully automatic. There is no need for an expensive rack-mount audio system, nor careful pre-conference calibration. Also, AudioMate minimizes wiring by allowing multiple AudioMates to be "daisy chained". A full duplex true TV-Quality video conference system simply consists of one VBrick, one AudioMate, a camera, a TV and your network. AudioMate's performance compares with products costing an order of magnitude more!

#### AudioMate offers:

- Amazing, wideband (7KHz, like FM radio) audio clarity
- Advanced echo cancellation – not simple "muting" that clips speech, but true wideband echo cancellation for full duplex interactive speech
- Automatic background noise reduction – reduces ambient noise
- Automatic reverberation elimination – removes reverberation makes voices sound like they are coming from within a large auditorium or cave
- Automatic operation of up to three AudioMates via ultra-simple "daisy chain" – extends audio coverage to large conference centers and classrooms.

#### Audio Echo Cancellation

An Audio Echo Cancellation system is needed for any two-way video conference system to provide excellent quality. Audio echo cancellation allows for natural conversations by preventing the sound coming out of a speaker from being fed back into the microphone and transmitted to the far end as echo. A high-performance Audio Echo Cancellation eliminates echo by intelligently filtering the sound coming out of the speaker from the microphone signal. Sophisticated digital signal processing is required to predict the expected echo signal and subtract this from the



local microphone input. AudioMate provides true two-way, fully digital operation, which means that a person can talk and listen at the same time – allowing truly natural flowing conversation.

#### Visual Feedback System

AudioMate has a Visual Feedback System containing a series of LEDs that are illuminated to indicate the direction of the microphone's audio pickup. With this visual feedback, a user always knows when his or her voice is being heard.

The benefits of the Visual Feedback System are clear . . . AudioMate is the only Intelligent Microphone that uses Voice Tracking technology that automatically "steers" the audio pickup to the person talking while reducing noise and reverberation coming from other directions. The result is that the other end hears you more clearly; in fact, it is like using a handset.

#### Privacy

By simply pressing the button on the top of AudioMate, the microphone is instantly muted, allowing private conversations. When so muted, all of the AudioMate's LED's flash to indicate the microphone is muted, which provides visual assurance that the audio is not being transmitted.

A/D conversion	16 bit, 16 kHz
Max # of microphones	Up to 3 can be daisy-chained together
Cable & Connector	6 foot cable terminating with: <ul style="list-style-type: none"><li>- 1 RCA VBrick Codec Audio In</li><li>- 1 RCA output to Audio Line (connect to TV audio in)</li><li>- 1 RCA to VBrick Codec Audio Out</li><li>- 1 Power jack to 12V transformer (included)</li></ul> 1 connector to additional AudioMates
Power	+12V DC, 300mA per unit
Mute Button	1 large blue mute button
Voice Tracking	360 degrees dynamic, 60 degrees resolution 3 LED indicators
Echo Canceller	Dynamic room echo cancellation
AGC	Dynamic auto gain control w/ noise suppression
Enclosure	Zinc Die cast base with metal grill cover
Dimension	8"(L) x 6.5"(S) x 1"(H)
Weight	1.0 pound
Color	Black
Configuration	Plug & Play



Specifications subject to change without notice.

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