



biamp.

ISE 2019 POCKET GUIDE

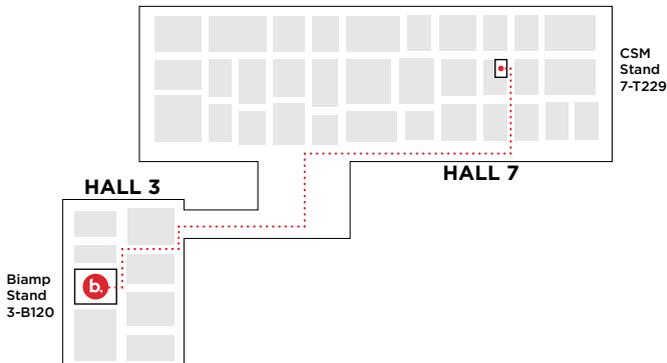
An Introduction to Biamp's
Latest Innovations

CAMBRIDGE SOUND MANAGEMENT

New from Biamp, Cambridge sound masking solutions help organizations of all sizes protect speech privacy, reduce noise distractions, and increase workplace productivity. More than 20,000 companies including over half of the Fortune 100 depend on Cambridge to create a great workplace for their employees.

Sound masking involves adding an unobtrusive ambient sound specifically designed to mask human speech. By reducing the intelligibility of others' speech, employee distractions are minimized, and their focus and productivity is improved.

Cambridge Sound Management is the only supplier of both direct and in-plenum solutions that offer extraordinary sound masking for any architectural space. To learn more visit Cambridge Sound Management at stand **7-T229**.



QtPRO®

QtPRO direct-field sound masking systems uniformly disperse a pre-tuned sound masking signal directly from the ceiling into the workspace. The result is a consistent and comfortable ambient sound throughout the space.

The QtPRO system consists of the Qt® Emitter and a control module; all that's required to connect them are standard category cables. QtPRO's simplicity, effectiveness, and energy efficiency make it the preferred choice of integrators worldwide.

The best sound masking system for you depends on a variety of factors including ceiling architecture, ceiling height, paging/music needs, and more. Whether you are masking a small office or a multi-campus facility, Cambridge can help you decide which solution is the best fit for your workplace's needs.



CAMBRIDGE SOUND MANAGEMENT

DynasoundPRO®

The DynasoundPRO Networked System is an in-plenum sound masking solution. Each speaker can be controlled individually, which drastically improves the consistency of sound masking coverage and makes it the best in-plenum sound masking system available.

Like QtPRO, the simplicity of the DynasoundPRO Networked System is one of its main advantages. A small controller is placed in the ceiling and can power up to 8 speakers. A music and paging interface can also be added to the system, allowing masking, paging, and music to be controlled at the individual speaker level.



Vocia®

Vocia is a highly reliable platform for all your paging, background music, and emergency communication needs. Vocia works great with Cambridge QtPRO and DynasoundPRO products, allowing you to easily integrate paging and sound masking into one system.

Vocia's clarity and intelligibility are just some of the features that make this platform so special. Vocia not only gets messages where they need to go, but also ensures everyone can hear and understand those messages. In addition, Vocia complies with the regulatory requirements of EN 54-16 and NFPA Part 72 for emergency notifications.



TESIRA

Tesira is the world's only integrated, networked audio and video processing and distribution platform. Sophisticated, adaptive DSP is the core of what Biamp does and what Tesira delivers. The Tesira platform is loaded with audio and video processing capabilities, all of which are designed and commissioned from a single software environment, saving you time and resources.



New in Tesira 3.8

Single Network Connections

Tesira devices can now pass control and AVB media traffic over either one or two network connections. This gives you the option to minimize port consumption or maintain separation of control and media.

Control Tunneling

External control systems now have full bidirectional access to devices connected to Tesira serial ports. You can also set up your control routes in software before connecting to physical devices.

Standalone VoIP Web Interface

VoIP implementations can be challenging in any installation. To make life easier, we implemented a standalone web configuration interface on our VoIP-enabled products. This interface allows technical staff to access and change VoIP settings via a web browser without the need for Tesira software.



BEAMTRACKING™ MICROPHONES

Biamp's Parlé™ family of Beamtracking microphones deliver a superior audio experience. These mics actively track and intelligently mix conversations from around the table, allowing far-end conference participants to experience the conversation naturally. They offer a distinct advantage by delivering consistent room coverage and audio levels, giving people the ability to move around the room as they see fit, not as the microphones dictate.

Designed to reduce programming, installation, and commissioning time, as well as overall equipment cost, these intelligent microphones include automated features that eliminate the need for lobe aiming or tuning during initial room setup.



PARLÉ™ MICROPHONES

The Tesira Parlé pendant microphones are available in three versions:

- **TCM-1: AVB enabled ceiling microphone**
- **TCM-1A: Includes built-in 2-channel PoE+ amplifier with burst power mode**
- **TCM-1EX: Expansion AVB ceiling microphone intended to be used as a second or third mic in conjunction with TCM-1 or TCM-1A**

The TCM series is available in either white or black, and an optional ceiling tile bridge is also available.



TCM-X Ceiling Mount and TTM Tabletop Microphones

Available in both ceiling and tabletop mount, these new models deliver the same superior Beamtracking performance in a sleek, unobtrusive design.

- **Four 90° zones for 360° of room coverage**
- **Uses only one channel of AEC per mic**
- **Supports daisy-chaining up to two mics per run**

The standard (TCM-X and TTM-X), amplifier (TCM-XA), and expansion models (TCM-XEX and TTM-XEX) will all be available in black or white.



TESIRA ASYMMETRIC AMPLIFIERS

Biamp's new line of rack-mounted amplifiers provide the features that designers need and want. These amplifiers deliver extraordinary flexibility — from power distribution, to selectable speaker impedance, to connectivity options, making them an ideal choice for a wide variety of installations.

- **Transmit different amounts of power to each channel without sacrificing overall wattage (they're 100% asymmetric)**
- **Support either high or low impedance speakers on any channel, allowing for maximum design flexibility**
- **The industry's only software-configurable media interface, allowing designers to choose their preferred network topology—redundancy, daisy chain, single-cable, or separate control and media are all supported**

To streamline installations, the amplifiers include an audible locate function on the front panel. This allows installers to validate connected loudspeaker runs without requiring the amplifier to be configured. And they are the only digital amplifiers that support 802.1x authentication, making them the most secure amplifiers on the market.

These amplifiers are ideal for training rooms, lecture halls, performing arts venues, houses of worship or other applications where sound distribution or reinforcement is needed.

Amplifier Models

1200.1

- Four channels
- 1200 watts of available power
- One asymmetric bank
- Supports 4 Ω , 8 Ω , 70V, and 100V

1200.2

- Four channels
- 2400 watts of available power
- Two asymmetric banks
- Supports 4 Ω , 8 Ω , 70V, and 100V



BIAMP SPEAKERS

With the addition of loudspeakers, the Tesira platform now offers a complete conference room solution.

These conferencing speakers can be used as traditional passive speakers or can be paired with Biamp's innovative new backpack amplifier. The AMP-450BP is a 4-channel PoE+ amplifier that can be secured directly onto our conferencing speakers. This design moves the amp closer to the speaker, allowing for better performance, less in-room equipment, and use of category cable throughout. Our exclusive burst mode technology can handle peak signals when meetings get spirited or exciting (i.e. loud).

Designed with the installer in mind, our ceiling speakers are easy to install.

- **Connect to the backpack amp with category cable**
- **Connect to a traditional amp—including the TCM-1A—using standard speaker cable**
- **Blind mount means speakers can be installed entirely from below**
- **Magnetic grill mount reduces risk of damage**



SPEAKER PRODUCTS

C-IC6 Ceiling Speaker

- Low profile, less than 6-inch (152mm) total depth
- 2-way 6.5-inch woofer and 1-inch soft-dome bridged mounted tweeter
- 130° wide coverage optimized for low ceilings
- 8-ohm impedance
- Supports daisy-chaining

M-P6 Pendant Speaker

- 2-way 6.5-inch woofer and 1-inch soft-dome bridged mounted tweeter
- 70V, 100V transformer with 8-ohm bypass

AMP-450BP Backpack Amplifier

- Mounts directly to C-IC6 with 3 screws
- Fully enclosed, plenum rated
- Performance matched to the conferencing speaker
- Burst power of up to 50W per channel



BIAMP SAGEVUE™

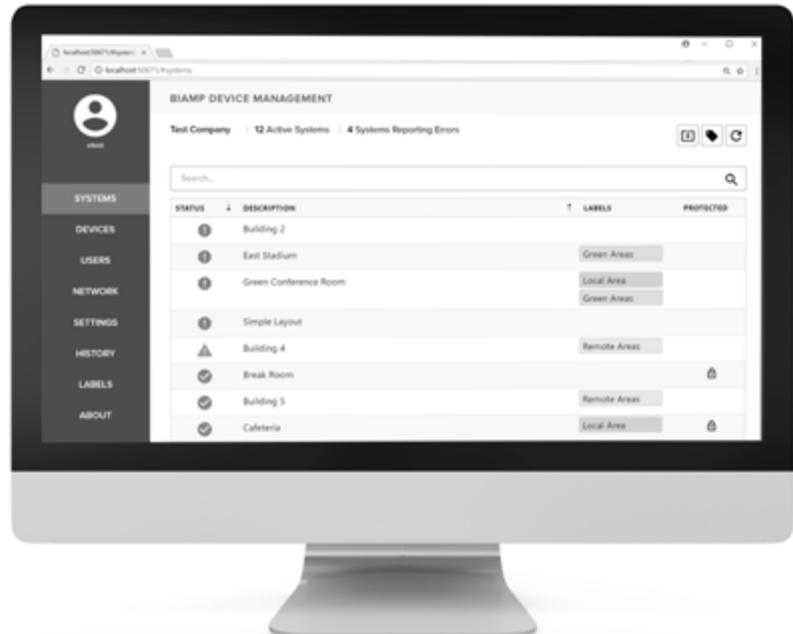
SageVue™ is our AV device monitoring and management platform for the enterprise. It provides a comprehensive overview of all Tesira and Devio devices connected to your network. SageVue makes managing your AV network easier than ever with a host of great features:

- A clear overview of the status of all your Tesira and Devio equipment
- A full RESTful API
- System alerts and fault notifications via email and/or SMS
- Customizable user roles and privileges
- LDAP directory integration
- Remote firmware updates

Newly announced for SageVue v2

- Send configuration updates to Tesira systems
- Schedule numerous events including: Device reboots, firmware updates, Tesira Preset recalls and Devio auto-tune functionality
- A new UI optimized for the largest deployments
- Even more device management tools
- Enhanced Devio support
- Support for Windows® Server 2016

SageVue is available as a free download at biamp.com.



BIAMP CROWD MICS™

Crowd Mics™ puts a microphone in everyone's pocket. It uses your smart phone to create a unique audience engagement experience. Crowd Mics enables seamless audience participation by eliminating the need to pass a microphone around the room.

For the Audience

A free app empowers them with great participation features:

- **Let the moderator know you have something to say**
- **Be notified when it's your turn to speak**
- **Your phone becomes your microphone**
- **Submit a question via text**
- **Participate in polling**

For Moderators and Presenters

The dedicated moderator app puts you in control of your presentation and helps your participants engage with you seamlessly:

- **Get notified when someone wants to talk**
- **Choose from a list of named requests**
- **Deactivate an attendee mic at any time**
- **Create polls before your event or in real time**
- **Invite the audience to vote**
- **Publish results live to the room's display system**

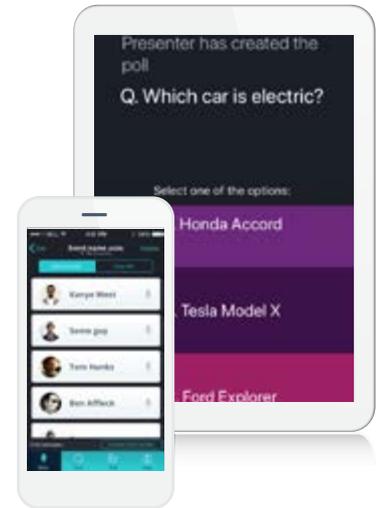
Event IT staff create a dedicated Wi-Fi network for the event, and then all attendees and moderators/presenters simply join that network from their mobile devices to participate.

Crowd Mics is hosted on a small, pre-configured hardware device, the ATOM. The ATOM is connected to the room's sound system and optionally a video presentation system.

The ATOM also allows moderators to see a full participation log of their event including questions asked and poll results for an even richer event experience. Additionally, the ATOM can be remotely monitored and managed via SageVue v2.

Crowd Mics is perfect for the participants and moderators of presentations, lectures, panel discussions or other similar events ranging in size from 1 to 1000 attendees.

By placing a microphone in every pocket, Crowd Mics creates a simple, extraordinary experience for attendees and presenters alike.



BIAMP FAVORITES

Tesira EX-UBT

Gone are the days of having to choose between short USB cable lengths and unreliable USB extenders. The EX-UBT brings USB audio extension capabilities to conference rooms and multi-purpose spaces. With the EX-UBT you can extend audio throughout your entire facility via AVB/TSN. The EX-UBT also supports Bluetooth® wireless technology, which allows users to stream music or continue a cell phone call while transitioning into a conference room. Mute sync ensures that the mic LEDs reflect the mute status of your conference call.



TesiraLUX™

TesiraLUX video encoders and decoders provide real-time video distribution with unmatched lip sync capabilities, allowing you to stream audio visual content with ease.

Support for HDCP-Protected Content

With support for HDCP 2.2, you can manage the content sent to specific devices more easily. You can also use the software to view content pathways through the system.

Single Network Connections

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BIAMP FAVORITES

Devio®

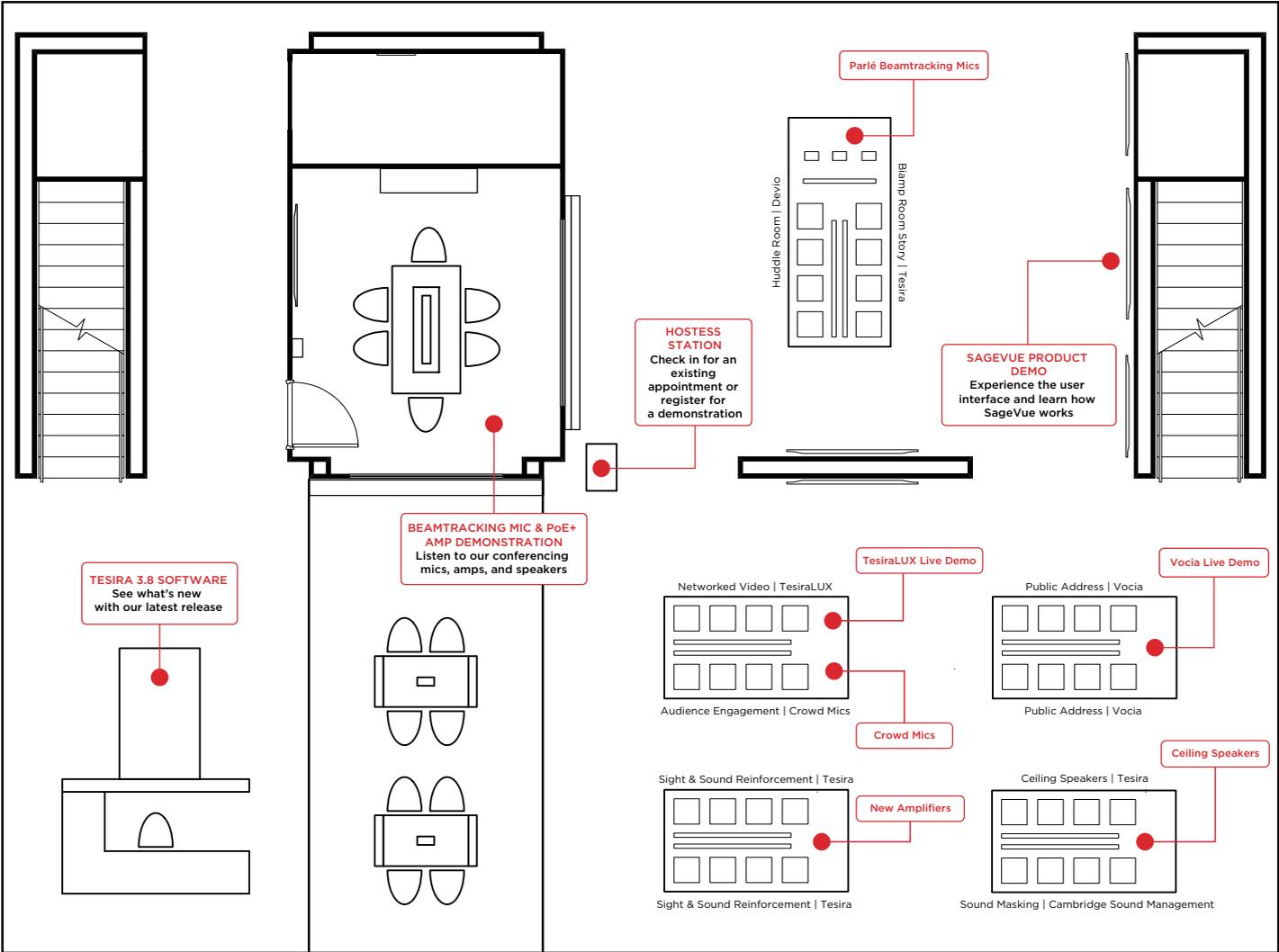
Devio is an ideal solution for small rooms, helping to start meetings quickly and easily. A single cable connects your laptop to all the room technology in your collaboration space, providing instant access to the room's displays, speakers, microphone, web camera, and other tools. Devio is a single-box solution that is simple to install. The Auto Setup feature quickly validates device connections, adjusts room levels, and sets speaker EQ to optimize audio quality. Devio conferencing hubs work with Beamtracking microphones and professional-grade DSP to provide a superior audio experience.

Devio SCR-20 and SCR-25 Conferencing Hubs

The conferencing hubs incorporate several sophisticated conferencing features into a small form factor. Options for speaker connectivity now include HDMI audio, a built-in 20W amplifier, or RCA line-out. The SCR-25 model adds a headset jack for VoIP handsets, and Bluetooth wireless technology for wireless device audio support.



PRODUCT DEMONSTRATION MAP



TESIRA 3.8 SOFTWARE
See what's new
with our latest release

**BEAMTRACKING MIC & PoE+
AMP DEMONSTRATION**
Listen to our conferencing
mics, amps, and speakers

**HOSTESS
STATION**
Check in for an
existing
appointment or
register for
a demonstration

Parlé Beamtracking Mics

**SAGEVUE PRODUCT
DEMO**
Experience the user
interface and learn how
SageVue works

TesiraLUX Live Demo

Vocia Live Demo

Crowd Mics

New Amplifiers

Ceiling Speakers

Networked Video | TesiraLUX
Audience Engagement | Crowd Mics

Public Address | Vocia
Public Address | Vocia

Sight & Sound Reinforcement | Tesira
Sight & Sound Reinforcement | Tesira

Ceiling Speakers | Tesira
Sound Masking | Cambridge Sound Management



To learn more about the products in the Biamp pocket guide scan the code below.



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