



**extraordinary**

**biamp.**

**SUMMER 2019 POCKET GUIDE**

An Introduction to Biamp's  
Latest Innovations

## NEW FOR TESIRA®

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**Tesira is the world's only integrated, networked audio and video processing and distribution platform. Sophisticated, adaptive DSP is at the very core of Biamp's mission to deliver extraordinary audio visual experiences, and that is exactly what Tesira delivers.**

**Loaded with audio and video processing capabilities, Tesira allows you to commission systems from a single software interface. Equally adept at superior conferencing and sound reinforcement applications, Tesira is engineered to save you time, money, and resources.**



### **TesiraCONNECT™**

Biamp is simplifying conference room audio with the introduction of TesiraCONNECT, a centralized connection point for all Biamp devices within a meeting space. TesiraCONNECT provides physical connections between the DSP and up to four Biamp endpoints for media streaming and PoE+ power, making installations even more convenient.

TesiraCONNECT is designed to work with all Tesira conferencing products, significantly reducing deployment time. TesiraCONNECT also fully integrates with the Tesira platform and SageVue™, our browser-based monitoring and management platform. With TesiraCONNECT, Biamp makes implementing an amazing audio experience easier than ever.

- Provides out of the box support for all Tesira conferencing products
- Integrates with the Tesira platform, including device monitoring via Tesira system devices, Tesira software, and SageVue
- Avoids burdening IT departments with special network considerations

## PARLÉ™ MICROPHONES

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Biamp's Parlé family of Beamtracking microphones deliver superior audio experiences. Our dynamic microphones track voices as they move about the room, delivering complete room coverage and enabling both local and remote participants to enjoy an unparalleled conferencing experience.

Our Beamtracking technology works right out of the box, reducing programming, installation, and commissioning time. Our microphones also include automated features that greatly streamline setup and help to lower equipment costs overall.

Parlé microphones are now available in 3 styles: ceiling, tabletop, and pendant. Our newest additions to the Parlé family are so unobtrusive, they virtually disappear within your room's architecture. The TCM-X (ceiling) and TTM-X (tabletop) feature four 90° zones for 360° room coverage. With 16 mic arrays and requiring just a single channel of AEC per device, these microphones ensure exceptional audio performance at a very competitive price.



## PARLÉ MICROPHONES

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Both the TCM-1A and TCM-XA models include a built-in amplifier, providing plenum-based PoE+ amplification that puts power where you need it while minimizing cable runs to the rack. Adding multiple microphones to your room is easy with our expansion devices. Daisy chains of two mics are supported with the TTM-X and TCM-X/XA models, while our pendant microphones support up to three mics per daisy chain. All three microphone styles are available in white or black.



## Just Announced For Devio®

Devio is an easy-to-install, single-box kit solution that now supports our new Parlé TCM-X and TTM-X Beamtracking microphones, making it the ideal solution for huddle rooms. A single cable connects your laptop to all technology in a space, allowing for instant access to the room's displays, loudspeakers, microphone, web camera, and other tools. The Auto Setup feature quickly validates device connections, adjusts room levels, and sets loudspeaker EQ to optimize audio quality, culminating in the perfect solution for collaborative spaces.



## DESONO™ LOUDSPEAKERS

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Biamp now offers end-to-end solutions for both conferencing and sound reinforcement with the addition of our desono family of loudspeakers.

### Conferencing Loudspeakers

Our new C-IC6 loudspeaker is specifically engineered for speech reproduction. Built with the installer in mind, this loudspeaker offers blind mount, magnetic grills, and flexible cabling options. It can be used as a traditional passive loudspeaker or paired with Biamp's innovative new backpack amplifier.

### C-IC6 Conferencing In-Ceiling Loudspeaker

- Low profile—less than 6-inch (152mm) total depth
- 2-way 6.5-inch woofer and 1.5-inch soft-dome bridge-mounted tweeter
- 130° wide coverage optimized for low ceilings
- Can connect 2 loudspeakers to each channel on AMP-450BP

### Tesira AMP-450BP Backpack Amplifier

The AMP-450BP is a 4-channel PoE+ amplifier that secures directly onto the back can of our in-ceiling loudspeakers, allowing for better performance, less in-room equipment, and category cable throughout. Our exclusive burst mode technology handles peak signals when meetings get exciting (e.g. loud).

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



## DESONO LOUDSPEAKERS

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### Sound Reinforcement Loudspeakers

All our sound reinforcement loudspeakers are intended for full range music reproduction in distributed audio applications. Their wide coverage area allows designers to use fewer loudspeakers in a space while maintaining acceptable levels of speech intelligibility. Each model utilizes a 6-position switchable transformer for constant-voltage operation, making them an excellent choice for large areas of BGM. Our pendant loudspeakers are available in a traditional "raindrop" form factor, as well as a bold low-profile "sunshine" format.

New to the desono line is the IC6. The IC6 is an in-ceiling loudspeaker designed for full-range music reproduction in indoor/outdoor applications.

### IC6 Indoor/Outdoor In-Ceiling Loudspeaker

- Low profile—less than 6-inch (152mm) total depth
- 2-way 6.5-inch polypropylene woofer and 1.5-inch soft-dome bridge-mounted tweeter
- 6-position CV 70V/100V tap (1.8W, 3.8W, 7.5W, 15W, 30W, 60W) with low impedance bypass
- 130° dispersion angle
- Protection against splashing water



### P6 Pendant Loudspeaker

- Traditional "raindrop" form factor
- 2-way 6.5-inch polypropylene woofer and 1.5-inch soft-dome bridge-mounted tweeter
- 6-position CV 70V/100V tap (1.8W, 3.8W, 7.5W, 15W, 30W, 60W) with low impedance bypass
- 130° dispersion angle
- Protection against splashing water

### P6-SM Pendant Loudspeaker

- Low profile "sunshine" form factor
- 2-way 6.5-inch polypropylene woofer and 1.5-inch soft-dome bridge-mounted tweeter
- 6-position CV70V/100V tap (1.8W, 3.8W, 7.5W, 15W, 30W, 60W) with low impedance bypass
- 130° dispersion angle
- Protection against splashing water

# AMPLIFIERS

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## **TesiraXEL™ Asymmetric Amplifiers**

Biamp's new line of rack-mounted amplifiers are exactly what designers need and want. From power distribution, to selectable loudspeaker impedance, to connectivity options, these amplifiers deliver extraordinary flexibility, making them the ideal choice for a wide variety of installations.

- 100% asymmetric—transmit different power amounts to each channel without sacrificing overall wattage
- Selectable impedance (4Ω, 8Ω, 70V, or 100V) and delay equalization per channel allows for maximum design flexibility
- The industry's only software-configurable media interface provides unprecedented versatility—redundancy, daisy chain, single cable, or separate control and media are all supported

TesiraXEL amplifiers include an audible locate function on the front panel, enabling validation of connected loudspeaker runs without requiring configuration. They are also the only digital amplifiers that support 802.1X authentication, making them the most secure models on the market.

### **TesiraXEL 1200.1**

- Four channels
- 1200 watts of available power
- One asymmetric bank

### **TesiraXEL 1200.2**

- Four channels
- 2400 watts of available power
- Two asymmetric banks



# New Tesira

## 3.11 Enhancements

### Logic Enhancements

Three new logic blocks are available: Logic Pulse, Logic Selector, and Logic Sequencer. These enhancements provide programmers with additional control and visualization options within their designs, leading to a system tailored to the specific needs of your organization.



### Support for Dante™ Domain Manager

Biamp Dante deployments can now make use of the features available in DDM, most notably the ability to join a domain and enable user security in the Dante signal mapping parameters.

### Expanded TesiraLUX™ Support for eSports

To expand the potential applications for TesiraLUX—particularly for eSports—video stream support has been expanded to include 1920x1080 at 120Hz and 1920x1080 at 144Hz.





# BIAMP SAGEVUE™

SageVue is our enterprise AV device monitoring and management platform that provides a comprehensive overview of all Tesira and Devio devices connected to your network. Engineered to be the best solution for managing your Biamp equipment, SageVue is also easy to integrate with third-party networked management systems via its RESTful API.

SageVue makes managing your Biamp network easier than ever with a host of great features:

- **Status overview of all Tesira and Devio equipment**
- **Full RESTful API**
- **UI optimized for the largest deployments**
- **Comprehensive device management tools**
- **Send configuration updates to Tesira systems**
- **Schedule device reboots, firmware updates, Tesira preset recalls, and Devio auto-tune functionality**
- **System and fault notifications via email and/or SMS**
- **Customizable user roles and privileges including LDAP directory integration**
- **Support for Windows® Server 2012 and 2016**
- **And much more**

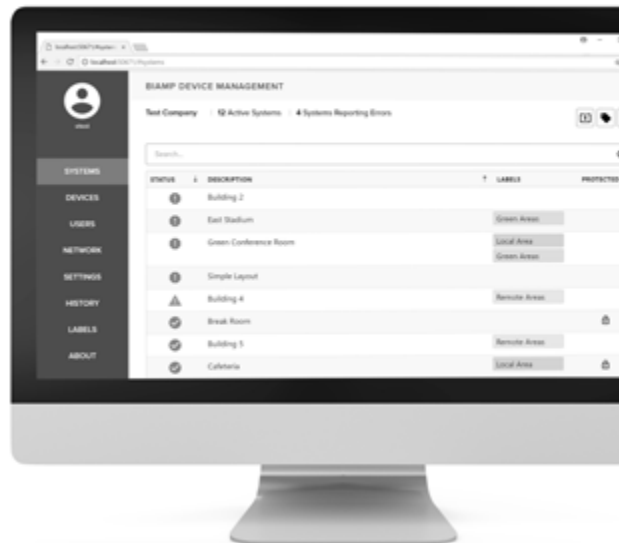
Download SageVue for free at [biamp.com](http://biamp.com).



## **Newly announced for SageVue v2.1**

- **Discovery, management, and monitoring of network-enabled Cambridge devices**
  - Devices include QT 300, QT 600, DS8000, DS3008, and DS3002
- **Supported features for Cambridge devices include:**
  - Reboot functionality
  - Scheduling events
  - Mute toggling
  - Fault reporting
  - Access to device webpages for advanced configuration changes

SageVue v2.1 will be available for free in Q3.



# BIAMP CROWD MICS™

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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

The free Crowd Mics app empowers attendees with great participation features:

- Notifies the moderator when they want to speak
- Sends a notification when it's their turn to talk
- Their smartphone acts as a personal mic, broadcasting their voice to the room's AV system
- If an attendee doesn't want to talk, no problem! Just submit a question via text
- Attendees can also participate in real-time polling

## For Moderators and Presenters

Crowd Mics lets presenters and attendees connect on a personal level, while moderators maintain full control over the conversation via the free moderator app or web interface:

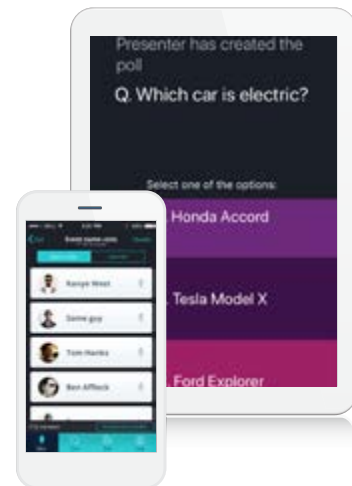
- Be notified when an attendee wants to speak
- Choose the next person to speak
- Turn off an attendee mic at any time
- Create polls before an event or in real time
- Publish polls and comments live to the room's display system

Crowd Mics is hosted on a small, pre-configured hardware device, the ATOM. The ATOM connects to the room's sound system and optionally a video presentation system and can host up to 1000 attendees.

## Newly Announced for Crowd Mics v1.1

- A browser-based option for the moderator interface
- Support for branding Crowd Mics with a custom logo that will appear in the moderator and attendee apps, as well as on the room's display
- More polling features including pie charts, "yes / no" questions, and multiple-choice response
- Addition of a "Clear All" button to make request and comment management easier

Crowd Mics v1.1 will be available as a free download in Q3.



# CAMBRIDGE SOUND MANAGEMENT

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New from Biamp, Cambridge sound masking solutions protect speech privacy, reduce noise distractions, and increase workplace productivity for organizations of all sizes. More than 30,000 companies, including over half of the Fortune 100, depend on Cambridge technology to facilitate a great workplace for their employees.

Sound masking adds unobtrusive ambient sound to workspaces, specifically designed to mask the human voice. By reducing speech intelligibility, employee distractions are minimized, enhancing focus and productivity in the process.

Cambridge Sound Management is the sole supplier of both direct-field and in-plenum solutions that offer unsurpassed sound masking for any architectural space. To learn more, visit Cambridge Sound Management at Booth 5143.



## **Qt® Conference Room Edition**

The Qt Conference Room Edition (CRE) masks private conversations taking place in conference rooms, ensuring they remain private.

Sound masking emitters placed in the ceiling outside the conference room deliver low-level background sound that makes human speech less intelligible, while the privacy signs inside and outside the conference room indicate the system is running and lets occupants know their conversations are protected.

By controlling noise, contributing to a healthy environment, and consuming less than seven watts of power, the Qt Conference Room Edition is GreenSpec listed, and can always be turned on and off as needed.



# CAMBRIDGE SOUND MANAGEMENT

## QtPRO®

QtPRO is the only direct-field sound masking system available on the market. The QtPRO uniformly disperses a pre-tuned signal directly from the ceiling into a workspace, resulting in consistent, comfortable ambient sound throughout.

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 and height, paging/music needs, and more. Whether masking a small office or multi-campus facility, Cambridge can help determine the solution that best meets your needs.



## DynasoundPRO®

The DynasoundPRO Networked System is an in-plenum sound masking solution. Each loudspeaker can be controlled separately, dramatically improving sound masking coverage. This versatility makes DynasoundPRO the best in-plenum sound masking system on the market.

Like QtPRO, the DynasoundPRO Networked System's simplicity is a major advantage. A small controller is placed in the ceiling, capable of powering up to 8 loudspeakers. An interface can also be added to the system, allowing masking, paging, and music to be controlled at the individual loudspeaker level.



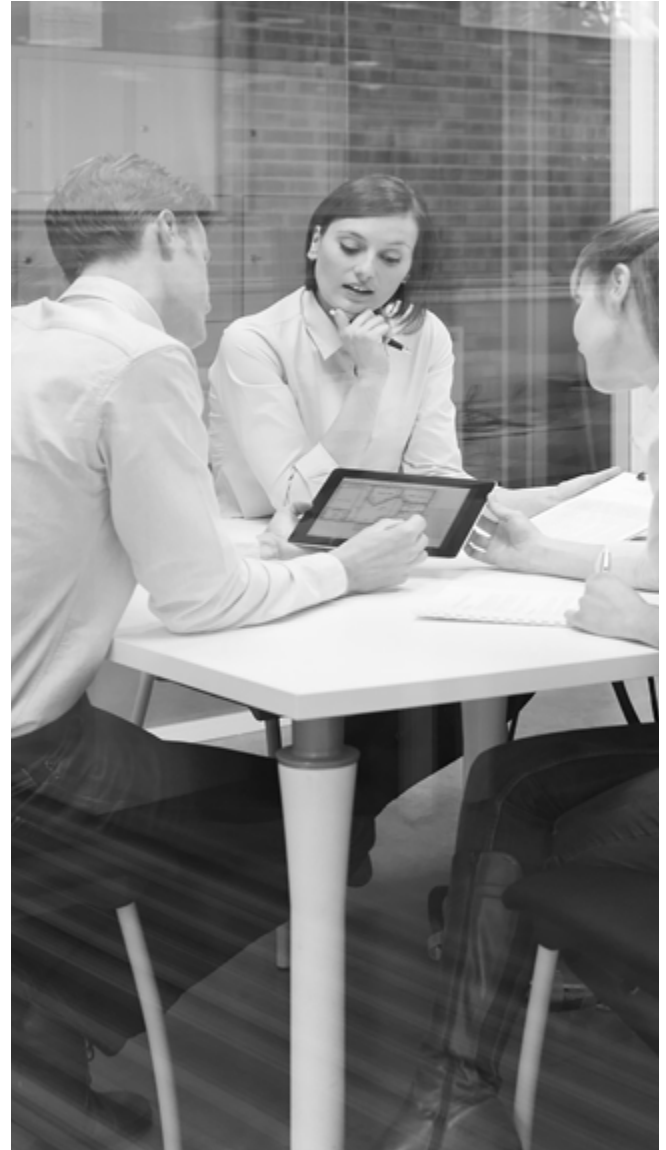
# New From Cambridge Sound Management

## **Ceiling Conduit Mount — CCM-1**

The Ceiling Conduit Mount is a valuable mounting accessory used for QtPro sound masking installations where local building codes require all in-plenum cabling to be run through conduit. Each CCM-1 can house a Qt Emitter or Qt Active Emitter, providing an enclosure for all cable terminations. Knock-outs in various locations allow conduit to be run to and from each emitter. Mounting rails, for use in suspended-tile-array ceilings as well as drywall installations, are also included.

## **DynasoundPRO DS1339 & DS1357**

The DS1339 and DS1357 will replace the DS1338 and DS1356 in-plenum sound masking speakers. Featuring re-designed hanging hardware, the new sound masking speakers are easier for installers to balance, enabling faster installation. Plus, smoother frequency response in the vocal spectrum and a more natural spectral balance provide enhanced sound and ease of tuning compared to the original speakers.





Vocia is a highly reliable and scalable platform for all your paging, background music, and emergency communication needs. Vocia can be seamlessly combined 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, ensuring your messages are delivered as intended. In addition, Vocia complies with the regulatory requirements of EN54-16 and NFPA Part 72 for emergency notifications.



## BIAMP FAVORITES

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### **Tesira EX-UBT**

The EX-UBT brings USB audio extension capabilities to conference rooms and multi-purpose spaces and can extend audio throughout an entire facility via AVB/TSN. The EX-UBT also supports Bluetooth® wireless technology, allowing users to stream music or continue a cell phone call while transitioning into a conference room. Mute sync ensures that 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. With support for HDCP 2.2, you can manage content sent to specific devices more easily. The software can also be used to view content pathways through the system. Tesira devices can now pass control and AVB media traffic over one or two network connections, providing the option to minimize port consumption or maintain separation of control and media.



## BIAMP FAVORITES

### **Tesira HD-1 Dialer**

We've responded to customer requests by expanding the feature set in the HD-1 dialer. With additional capabilities/options for room control, it also lets integrators assign level mapping via the controller itself, addressing the single biggest request we've received from programmers.

- "Mute" and "soft" buttons can be set up as room controls
- Users can create or delete speed dial numbers from the keypad
- Assignable level control
- The option to add a room's name or dial-in number on-screen
- An information screen is shown when the device is unconfigured





## BIAMP FAVORITES

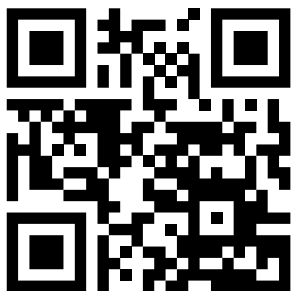
### **TesiraFORTÉ® AVB VT4**

Specifically designed for spaces that require less analog I/O, TesiraFORTÉ AVB VT4 offers all of the processing power of a traditional TesiraFORTÉ without the extra I/O cost. It also supports VoIP, POTS, and USB conferencing in a single chassis for maximum flexibility. Only a single Ethernet cable is needed to connect TesiraFORTÉ to our new Parlé Beamtracking microphones for an exceptional conferencing experience.





Scan the code below to learn more  
about the products in this guide.



## CONTACT US:

**9300 S.W. Gemini Dr.  
Beaverton, OR 97008  
USA**

**E: [biampinfo@biamp.com](mailto:biampinfo@biamp.com)  
W: [biamp.com](http://biamp.com)**

**1.800.826.1457  
+ 1.503.641.7287**

