eVenue Tempo™

Thank You

We at CoachComm® want to thank you for purchasing an eVenue Tempo™ system. We are committed to providing you with a high-quality product that will deliver dynamic sound, distributed coverage, reliable mobility, and innovative operational features. In order to get the most out of your new eVenue™ system, please take a few moments to read this manual completely so that you better understand the operation of this product. For questions not addressed in this manual, feel free to contact CoachComm's Customer Support Department.

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The eVenue ePod is a patent-pending design, manufactured in the USA.

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Table of Contents

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Safety Information

The following section details important safety information related to the ownership and operation of eVenue Tempo. You must operate the eVenue system safely. Unsafe operation can create hazards for you, as well as anyone else in the work area. Always take the following precautions when operating eVenue Tempo.

WARNING: Ignoring these warnings may cause severe injury or death as a result of incorrect operation

CAUTION: Ignoring these cautions may cause moderate injury or property damage as a result of incorrect operation

Protecting Yourself and Those Around You

1. Allow only responsible individuals who are familiar with these general safety rules and operating instructions to use your eVenue Tempo system. Never allow people unfamiliar with these rules and instructions to set up or operate your system.

2. Do not stand, sit, climb, or ride on any part of eVenue Tempo.

3. Do not use the ePod to lift personnel or objects.

Electrical Safety

1. Do not submerge any part of the eVenue Tempo System in water.

2. Protect the power cords from being walked on or pinched, particularly at plugs, convenience receptacles, and the point they exit from the apparatus.

3. Do not block any of the ventilation openings.

4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

5. Do not defeat the safety purpose of the grounding-type plug. A grounding-type plug has two blades and a third grounding prong. The third prong is provided for your safety. When the provided plug does not fit into your inlet, consult an electrician for replacement of the obsolete outlet. Never break off the grounding prong.

6. Unplug the eVenue system during lightning storms or when unused for long periods of time.

7. Refer all servicing to qualified service personnel. Do not attempt to disassemble or open any panels. Doing so may expose electrical parts and may also void the product warranty.

8. Use only one 120 volt 15 amp dedicated circuit for each individual eVenue ePod and Tempo Master. You should test and verify that these circuits are working properly on a routine basis.

Towing Safety

1. Have a complete working knowledge of your tow vehicle and know how to handle it with the eVenue Tempo Master and/or ePods attached.

2. Make sure towing hitch connections are properly secured prior to towing.

3. Secure all cables and cable ends before towing to prevent damage to those parts during transit.

4. Drive at a maximum speed of 5 mph. Do not stand, sit, climb, or ride on any part of eVenue Tempo.

5. Decrease speed at all corners, and watch the swing of both the rear of the tow vehicle and the eVenue system.

6. Never operate near drop-offs, ditches, or embankments; you could lose control of your tow vehicle and/or the eVenue system.

7. Never tow on slopes greater than 10 degrees, or on any excessively steep slope.

8. Never operate on wet or slippery slopes. Reduced traction could result in tipping over your tow vehicle and/or the eVenue system.

9. Never park the tow vehicle or eVenue system on a steep grade or slope.

10. Do not turn on a slope as you may tip over your vehicle and/or the eVenue system.

11. Note the following tow vehicle restrictions:

    A. If your tow vehicle will not travel by itself over the terrain by which you plan to tow eVenue, then it is not a suitable tow vehicle over that terrain. If this situation occurs, the terrain may not be suitable for eVenue to traverse either. Be cautious and find a different route to prevent equipment damage and a potential voiding of the eVenue warranty.

    B. We recommend a few types of tow vehicles for eVenue. The tow vehicle may be either two- or four-wheel drive.

        i. All Terrain Vehicle

        ii. Golf cart or other electric towing vehicle

        iii. Utility Vehicle

        iv. Compact or Sub-Compact Tractor

Note: Do not attempt to tow the ePod when not in Travel Ready position.

Mechanical Safety

1. Never, under any conditions, remove, bend, cut, fit, weld, or otherwise alter standard parts of eVenue. Modifications to your system could cause personal injuries and property damage and will void your warranty.

2. The system fan area should be kept clear to allow for proper ventilation. Do not place near a wall or cover the system while in operation.

3. Only use attachments/accessories/cables/hardware provided by the manufacturer.

4. Do not use blocks to increase height of system.

5. Never move an ePod unless the Travel Ready indicator is green and the Upper Speaker Array is in its cradle.

6. Never deploy an ePod's Upper Speaker Array unless the ePod is stable, centered, and level and the Pitch and Roll Level indicators are green. The Deploy Ready LED must be green for deployment.

7. Raise and lower the Upper Speaker Array arm from a safe distance and within view of the Motion Control System's Status Panel. During deployment, be aware of all pinch points and crush hazards; keep hands and feet clear of these areas.

8. The system brake is designed for stabilizing the ePod during deployment of the Upper Speaker Array. It is not to be used to control ePod speed when being moved.

WARNING

PINCH POINT HAZARD
Keep Hands and Feet Clear of ePod System During Operation

Keep people a safe distance away during operation

Figure 1: This warning label is attached to each ePod and alerts users of specific pinch hazards.

Noise Level Safety

Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels, such as this amplification system, wear hearing protectors while this system is in operation.

What's included with the Tempo System?

CoachComm's eVenue Tempo system is a state-of-the-art practice management system and helps a coach control practice by providing time management, motivation, and coordination tools within one system.

The eVenue Tempo family of products includes

- Tempo Master
- One or more patent-pending ePod(s)
- Tempo Software

Optional components provided by CoachComm include

- Practice Segment Timer(s)
- 25/40 Clock(s)
- Tempest® FX System
- Commando-T Remote

Each hardware component of the eVenue Tempo system is outlined in the following product overviews, and their operation is detailed in full in later sections of this manual.

Tempo Master Overview

The Tempo Master houses the Tempo Software and functions to feed audio out to the system. With Tempo Software, you can enter a practice script to include songs, sound effects, and voice commands. The software syncs this script with practice segment timers and 25/40 clocks to drive the pace of practice. Controls at the Tempo Master (or optional Tempest FX wireless communication system) allow you to add or remove time periods or jump to the next period. With Tempest FX, users can control the Tempo Software from anywhere on the field, communicate with other coaches wearing BeltPacks, and use the Voice Announce feature to engage players. Valuable product features include:

1. **Tempo Master Case**: Weather-resistant material with acrylic door

2. **Touchscreen Monitor:** User interface for Tempo Software

3. **Master Volume Control:** System volume knob

4. **Slide-Out Keyboard:** Tempo PC's keyboard

5. **Storage Drawers:** Auxiliary cable for MP3 connection plus additional storage

6. **Input/Output (I/O) Panel:** Connection points for ePods, microphones, and a Tempest FX system

7. **Feedback Suppressor:** Reduces and suppresses audio feedback

8. **Processor:** Controls the audio signals' paths

9. **Tow Bar:** Allows individual or linked towing

10. **Tempo PC:** Runs Tempo practice management software

11. **Power Cable Reel:** Stores Tempo Master's power cable when not in use

12. **Power Conditioner:** Provides power conditioning and surge protection

13. **Uninterruptible Power Supply (UPS):** Allows battery backup upon loss of power. Contains power On/Off button for Tempo Master

14. **Tires:** Flat-free, non-marking

15. **Master Deck:** High ground clearance for a wide variety of terrains

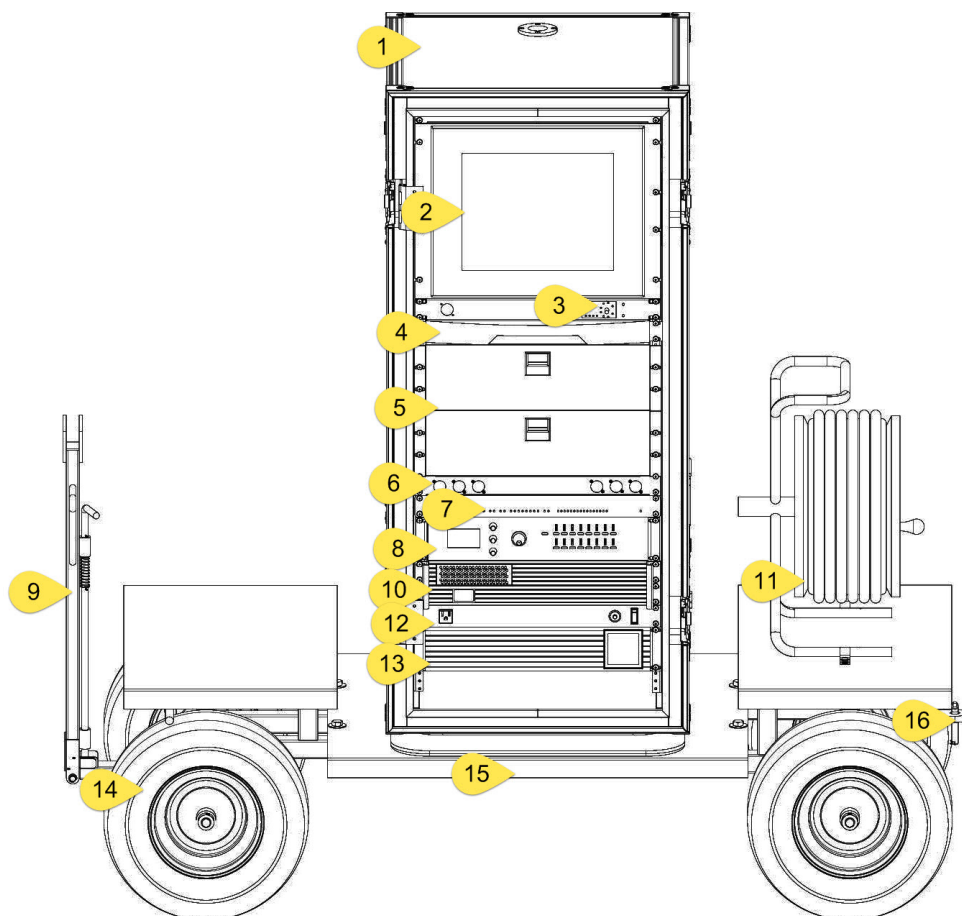16. **Hitch Receiver:** Allows linked towing

Figure 2: The eVenue Tempo Master functions to control the practice management software and feed audio through the system.

ePod Overview

eVenue's ePods are portable, individually distinct speaker systems that allow adjustments to sound coverage and audio direction. This method of sound distribution also minimizes sound from leaving the venue and polluting surrounding neighborhoods and businesses. eVenue ePods can be linked together to cover large venues, or used separately to cover multiple events simultaneously. Each ePod contains the following features:

1. **Acrylonitrile Butadiene Styrene (ABS) Housing:** Fully covers system electronics for weather-resistant design

2. **Upper Speaker Array:** Elevates and directs audio over obstructions

3. **Actuator Lift Arm:** Lifts the Upper Speaker Array

4. **Lower Component Case:** Houses subwoofer, power supply, UPS, and motion control and safety system

5. **Tow Bar**: Allows individual or linked towing

6. **Cradle:** Secures the Upper Speaker Array for travel

7. **ePod Deck:** Lowers with deployment to reduce center of gravity and enhance bass response
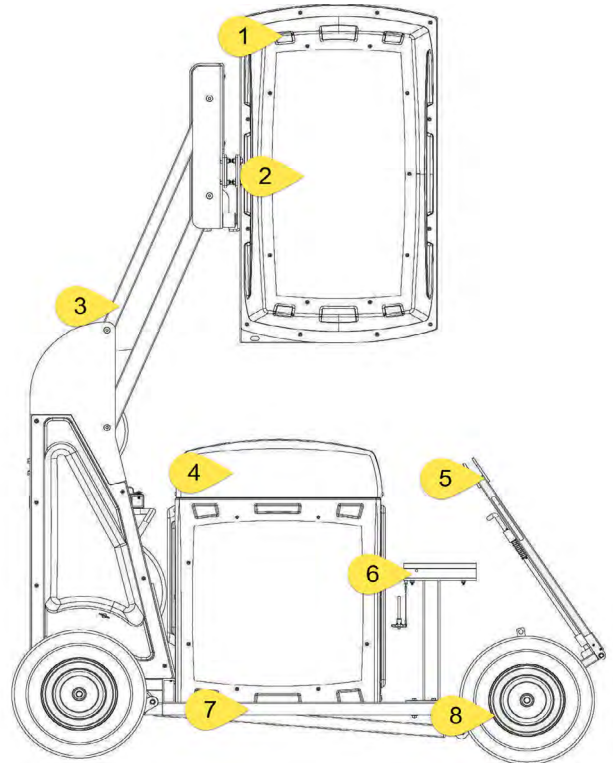
8. **Tires**: Flat-free, non-marking

Figure 3: The deployed eVenue ePod allows adjustments for sound coverage and audio direction.
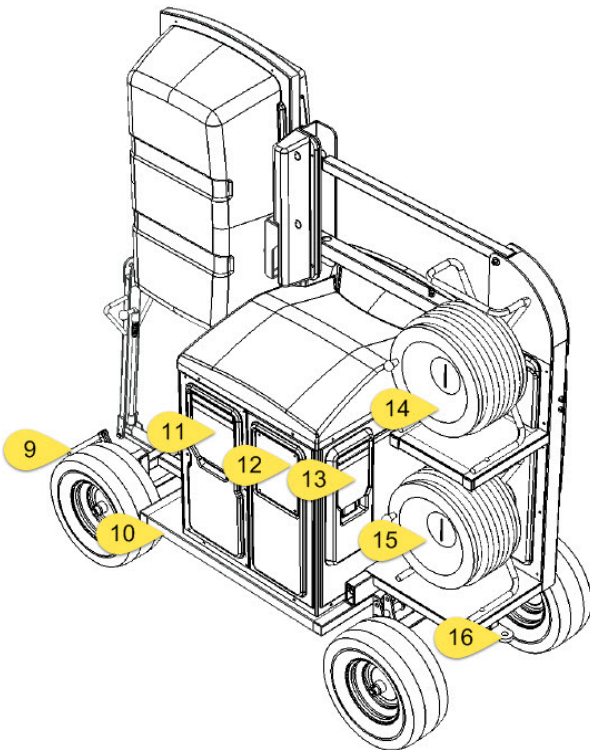
9. **Foot Brake:** Secures the ePod for deployment

10. **ePod Deck:** Raises when Travel Ready to provide high ground clearance

11. **Power Switch and Power Conditioner:** UPS On/Off button and main system power

12. **Motion Control System Status Panel:** Displays motion control and safety system status

13. **I/O Connection Panel:** Connection panel for motion control system (Commando-e) remote and audio from Tempo Master or another ePod

14. **Audio Cable Reel:** Stores ePod's audio cable when not in use

15. **Power Cable Reel:** Stores ePod's power cable when not in use

16. **Hitch Receiver:** Allows linked towing

Figure 4: The Travel Ready eVenue ePod can be towed to different locations.

Tempo Clocks Overview

Two different clocks can be combined with the Tempo system. Practice Segment Timers and 25/40 Clocks can be included as part of the practice script and reset using Tempo's controls. As determined by the Tempo practice script, the Practice Segment Timers display a period time countdown, and the 25/40 Clocks display a countdown as intervals. Both of these clocks are wireless, mobile, and battery operated (with additional solar panel charging.) AC power options are available in some instances.

1. **Solar Panel:** Charges the battery

2. **Battery:** Powers the Clock
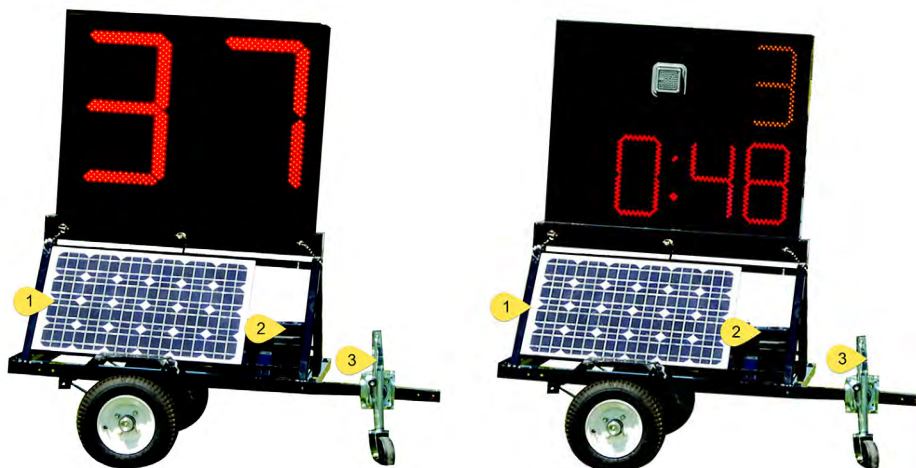
3. **Tow Hitch:** Allows transport of the Clock

Figure 5: The 25/40 Clock (left) displays a countdown as intervals, and the Practice Segment Clock (right) displays a period time countdown.

Tempo Software Overview

The Tempo Software is engineered to provide simple control over event scripting, including the following features:

- Organized audio for practice management
- Built-in coordination with Tempo Clocks
- PC (and optional Tempest FX BeltPack and Commando-T Remote) audio controls
- Sound effects
- Hot buttons and custom content grouping

Setup and Teardown Procedures

The following is a step-by-step process to set up and tear down the eVenue Tempo Master and ePods. The diagrams show the use of two ePods, but these procedures can be followed to incorporate the use of more to meet your needs. Included is a legend to identify the images used throughout these steps.

Legend

ePod — Front

Tempo Master

120 V
15 A
60 Hz

Audio Cable
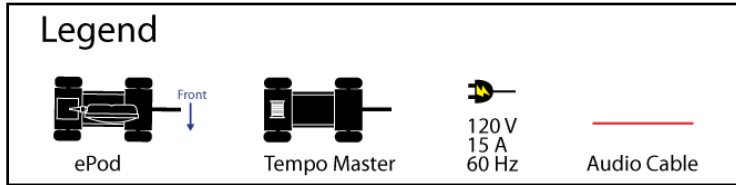
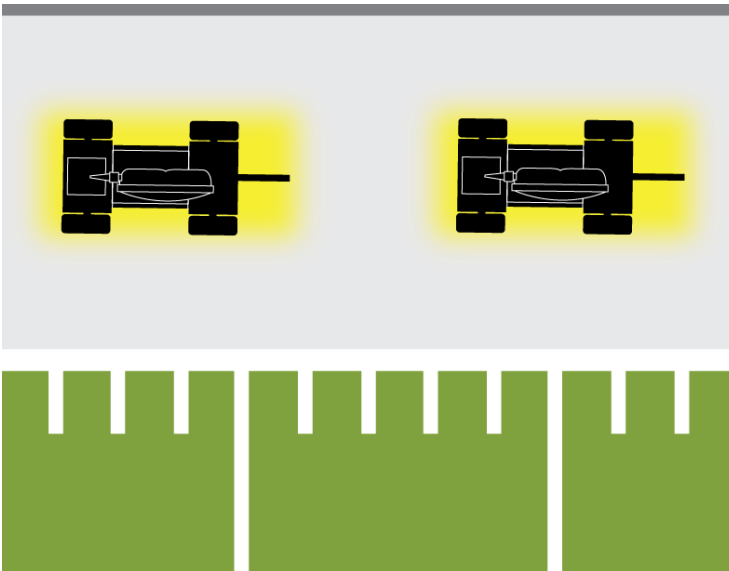1. Pull the ePod(s) to the desired location(s) in the venue.

Figure 6: Position your ePods for best sound coverage for your venue.

Note: *Speaker positioning is determined by sound coverage expectations and specifications. For more information, see the Sound Coverage section on page 16 of this manual.*

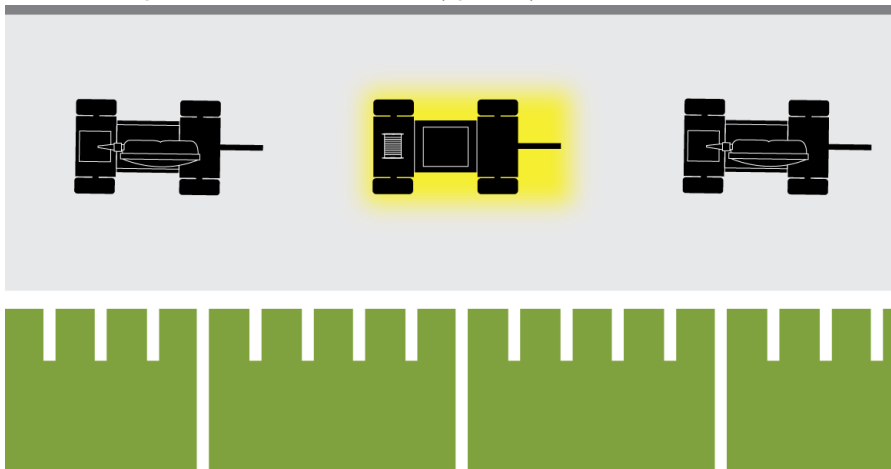2. Pull the Tempo Master and time clocks (optional) to their desired locations.

Figure 7: Position your Tempo Master and Clocks in their desired locations.

3. Run the power cables for each eVenue product. Then, turn the Tempo Master and all ePods on by holding down the power buttons on their UPSs and Power Conditioners.
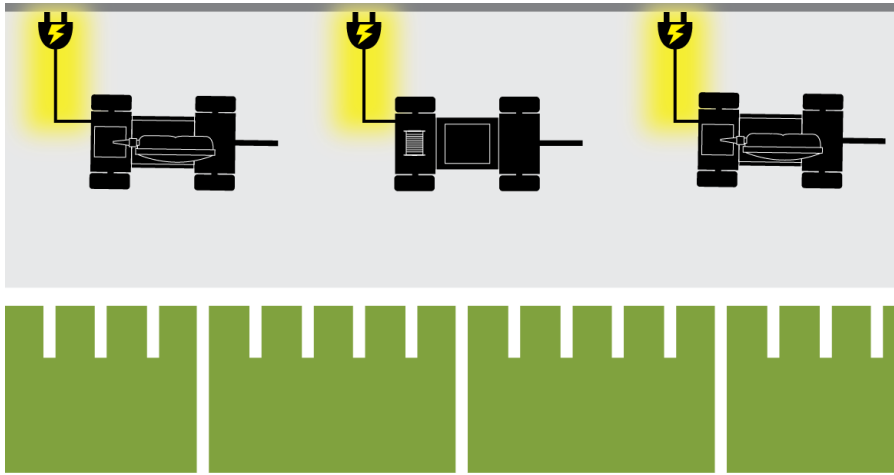

Figure 8: Plug all eVenue power cables into outlets and turn the Tempo Master and all the ePods on.

4. Connect all audio cables according to your system's configuration. Secure and connect the ePod cable end with the provided carabiner. Unspool and connect to the Tempo Master.

6-pin XLR(s)
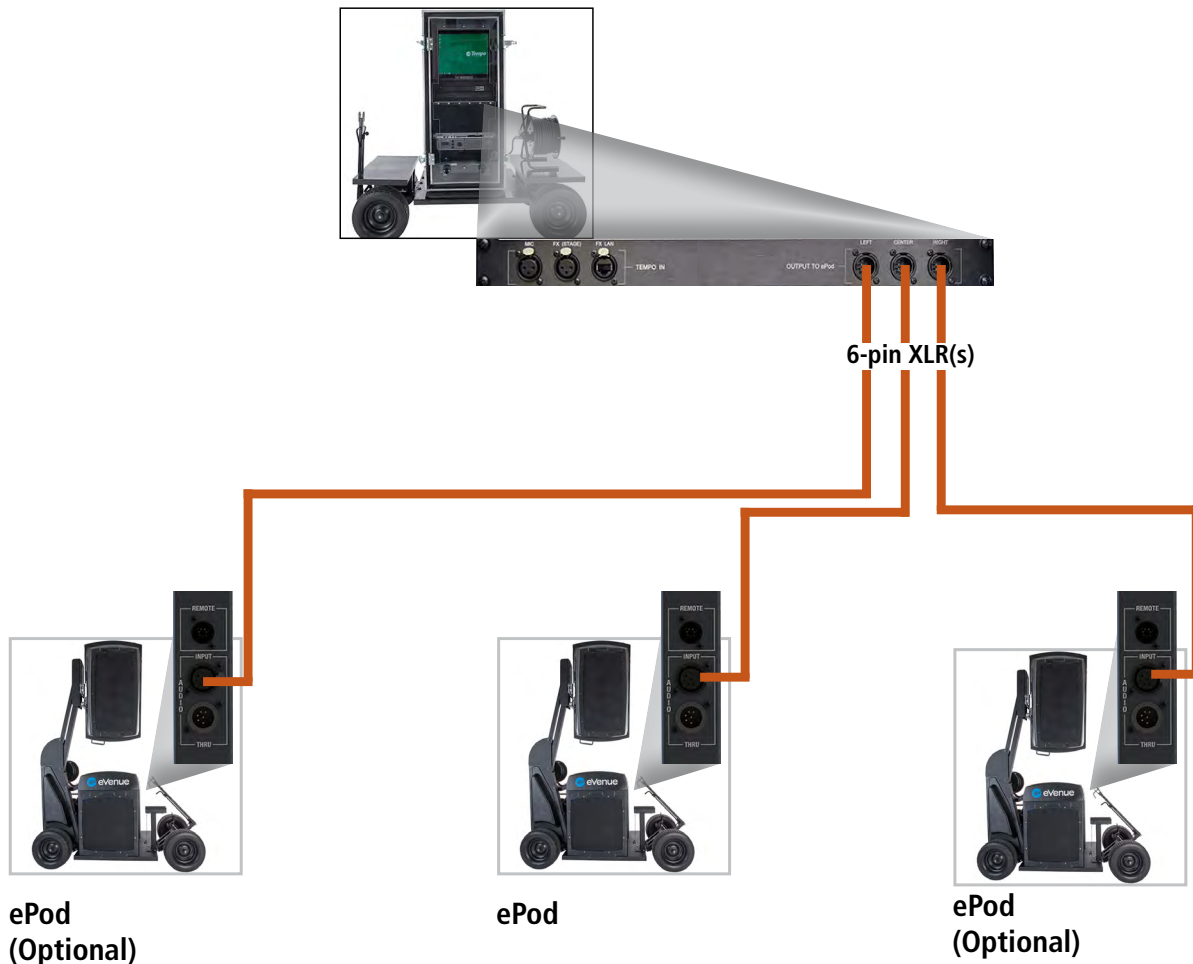
**ePod
(Optional)**

ePod

**ePod
(Optional)**

Figure 9: eVenue Tempo Audio Cable Diagram

5. If applicable, connect the Tempest FX BaseStation to your Tempo Master. More information about connecting your Tempest FX system is available in the Hardware Installation section of this manual, found on page 10.

6. After all the connections are made, test the multiple audio inputs and outputs through the eVenue Tempo system by checking signal clarity, and making sure no equipment damage will occur. If needed, adjust sound coverage by changing the ePod upper speaker array placement with the Commando-e Remote. For further specifications, see the Sound Coverage Overview section on page 16 or the Commando-e Remote section on page 14 of this manual.

7. After your event, do the following:

   • Return all ePods to Travel Ready position.

   • Turn off each eVenue product.

   • Disconnect all audio devices.

   • Disconnect and re-spool audio and power cables.

   • Tow the system to your storage location.

Note: *When re-spooling, walk the cable head back to its spool, secure it, and use the spool handle to reel in the rest of the cable.*

Hardware Installation

This section outlines how to connect and power your eVenue system.

> *Caution:* *When connecting, all volume controls should be turned down to prevent possible equipment damage; then, adjust to the desired level after the inputs/outputs are connected.*

Tempo Master I/O Connection Panel

This section outlines the I/O connection panel to utilize your eVenue Tempo Master.

Figure 10: Tempo Master I/O Connection Panel

1. **Mic:** Microphone-level input (female)

2. **Tempest FX (Stage):** FX audio input from Tempest FX Voice Announce output (female)

3. **Tempest FX LAN:** FX network Ethernet connection

4. **Output to ePods (Left, Center, Right):** Audio 6-pin connections to ePods (male)

ePod I/O Connection Panel

This section outlines the I/O connection panel needed to utilize your eVenue ePod(s).

1. **Commando-e Remote:** Remote connector input for eVenue Commando-e Remote to raise arm and tilt the Upper Speaker Array. The Commando-e Remote allows four different deployment presets (male)

2. **Input:** Audio-in from eVenue Tempo Master (female)

3. **Thru:** Used for daisy-chaining multiple ePods together. A 6-pin female XLR plugs into the Thru connection (male)

Figure 11: ePod I/O Connection Panel

Tempest® FX Installation (if applicable)

In order to use Tempest FX with your eVenue Tempo system, you must have the most recent Tempest firmware. A CoachComm technician will help upgrade your existing Tempest FX system after you purchase eVenue Tempo.

To connect the Tempest FX BaseStation to Tempo Software, the network cable from the BaseStation should patch into the FX LAN port of the Tempo Master's I/O connection panel. This will allow functionality of the Tempest FX system with Tempo.

In addition, you should connect the 3-pin XLR cable from Tempest FX to the FX (STAGE) input on the same Tempo Master I/O connection panel. Follow the rest of your Tempest FX setup instructions to connect and mount your Remote Transceiver and connect power. An extra AC power outlet is provided on the Tempo Master's power conditioner to power your Tempest FX system, if desired.

Hardware Operation

Tempo Master

The Tempo Master controls all audio outputs to ePods connected as part of the eVenue Tempo system. For information on connecting the eVenue Tempo system's products, see Hardware Installation on page 10.

Note: *To prevent equipment damage, keep the acrylic door closed when not changing audio settings or connections.*

The Tempo Master's hardware is labeled in Figure 12, and operation of this product is detailed in procedures on the following pages.

1. Master Volume Knob

2. Keyboard

3. Auxiliary Cable Connection (in drawer)

4. I/O Connection Panel

5. Power Conditioner

6. Feedback Suppressor

7. Audio Processor

8. Tempo PC
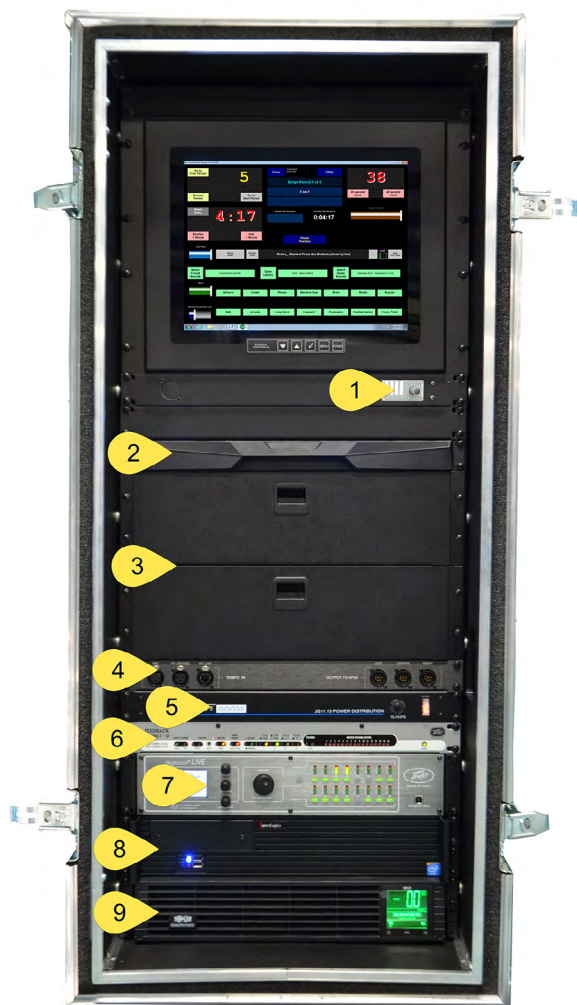
9. Uninterruptible Power Supply (UPS)

Figure 12: Labeled Tempo Master Hardware

Connections and Controls

Master Volume

The Master Volume controls all audio outputs to the connected ePods. It should be turned down (counter-clockwise) when connecting audio inputs to prevent possible equipment damage, then adjusted to the desired level. The lights surrounding the knob indicate audio level.

Figure 13: Use the Master Volume knob to control all audio outputs to the ePods. Note that this image depicts maximum volume.

Audio Sources

Tempo Software: The Tempo Software is the user interface and main audio source for the eVenue Tempo system. Its installation and operation is detailed beginning on page 19 of this manual.

Mic: To operate a microphone, plug its 3-pin XLR connector into the **Mic** input on the I/O connection panel. Then, adjust the volume with the **Master Volume** knob. The eVenue system has no phantom power; therefore, always use a dynamic microphone.
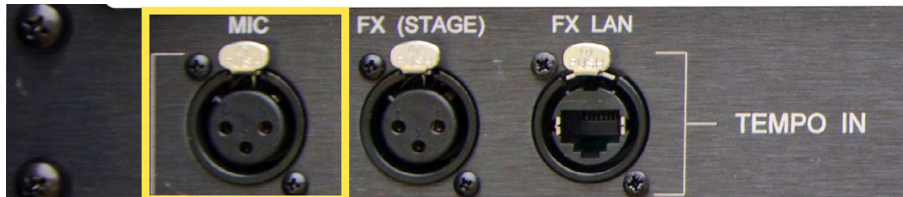

Figure 14: I/O Connection Panel Mic Connection

MP3: To operate an MP3 audio source, connect the desired input device to the 1/8 inch mini (male) auxiliary cable, which is located in the drawer under the keyboard. Adjust the volume using the **Master Volume** knob.
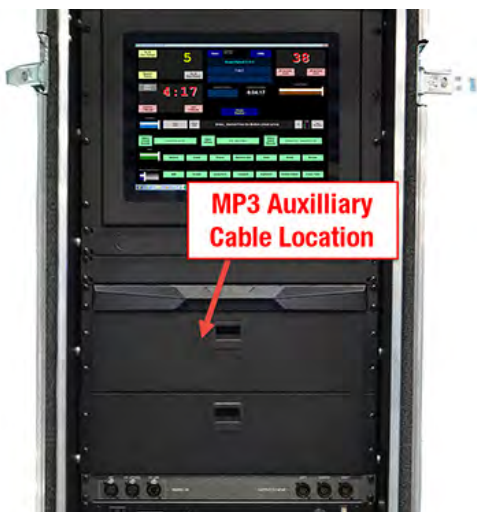

Figure 15: MP3 Auxilliary Cable Drawer Location

Figure 16: Connect an audio MP3 source using the Auxiliary Cable.

Tempest FX (if applicable): The Voice Announce feature broadcasts one's voice through the entire eVenue Tempo system using your existing Tempest FX system. To operate this feature, open the Tempo Software and connect a headset to the appropriate BeltPack. Hold down the STAGE button (see Figure 18) on the BeltPack through the entirety of speaking. See the Hardware Installation section of this manual on page 10 for more information about connecting your Tempest FX system to eVenue Tempo.
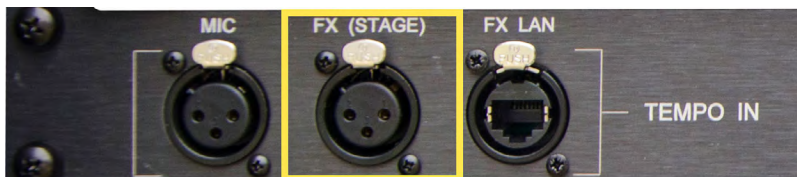

Figure 17: Plug the 3-pin XLR connector into the FX (Stage) connection.

Figure 18: Sample Stage Button on BeltPack

Processor

The Routing Processor assigns where the input's path to a specific output goes. The controls are preset for your use, so adjustments should not be made. For help resetting your Routing Processor to its factory setting, please contact CoachComm's Customer Service at 1-800-749-2761.

Figure 19: Tempo Master Routing Processor

Feedback Suppressor

The Feedback Suppressor reduces microphone feedback. As it detects feedback, the notch filter indicators will light up. Adjustment is not recommended for your use.

Figure 20: Tempo Master Feedback Suppressor

Audio Out

To send audio output to ePods, use the Output to ePods connections on the Tempo Master's I/O connection panel.

Figure 21: I/O Connection Panel Output to ePods Connection

Time Clocks

The clocks must be plugged into the battery on the clock trailer for operation. Once powered, they are controlled wirelessly via the Tempo Software and period setup. It is best to charge the clocks overnight or when not in use.

ePod

Operate your ePod(s) using the procedures detailed on the following pages.

Commando-e Remote

This section outlines how to operate the Commando-e Remote. The Commando-e Remote is considered the key to the ePod's motion control system. The control system will not function when the Commando-e Remote is not plugged in, and will not operate when it is unplugged.

1. **Flashlight:** Activates when Brake button is held for one second. Deactivates when Brake is held for one second. (Operates only when plugged into ePod.)

2. **Brake**: Indicator LED for ePod Brake On/Off

3. **Ready**: Indicator LED that ePod is ready for deployment

4. **Arrows:** Elevates and lowers the Upper Speaker Array

5. **Rack Tilt:** Tilts the Upper Speaker Array

6. **Presets:** Store up to four specific Upper Speaker Array positions

Figure 22: Use the Commando-e Remote to control the ePod's Motion Control System.

Connecting the Commando-e Remote
Plug in the Commando-e Remote to the "Remote" connector on the I/O connection panel, which is located on the side of your ePod. When connecting or disconnecting this remote, the ePod will beep two times.

Using the Commando-e Remote
When using the Commando-e Remote, hold the selected positioning button and release when it's in the desired position.

For initial use of the Commando-e Remote with an ePod, it will beep four times to warn of movement. After the initial use, the beeping will stop, if used continuously. When the Commando-e Remote is not used for 10 seconds and use resumes, it will beep four times before moving.

> **Note:** *Releasing the button(s) will stop the Upper Speaker Array's movement in its current position.*

Creating and Using Presets
Using the Commando-e Remote and the Sound Coverage information on page 16 of this manual, set your Upper Speaker Array and actuator in the desired position. To create an individual preset for buttons 1, 2, 3, or 4, press and hold the Brake and Ready buttons at the same time for four seconds until Commando-e Remote beeps twice. Then, hold the specific numbered button until it beeps twice.

The Commando-e Remote can be preset into a Travel Ready position for easy travel preparation.

> **Note:** *Once a preset is determined, it will remain in the Commando-e Remote's memory even when used on different ePods.*

ePod Status Panel

This section describes the ePod Status Panel, located on the lower component case of each ePod. This panel is designed to allow you to know if the ePod is in use, it cannot extend further, it is not locked properly, or it is suitable for movement. The panel shows individual ePod locations and indicates their status by turning on and off red and green LED lights. The table below illustrates the qualifications for these LED options.

Key Terminology

- Travel Ready: ePod Upper Speaker Array is in the down position, resting in the cradle

- Roll Level: Right and left level
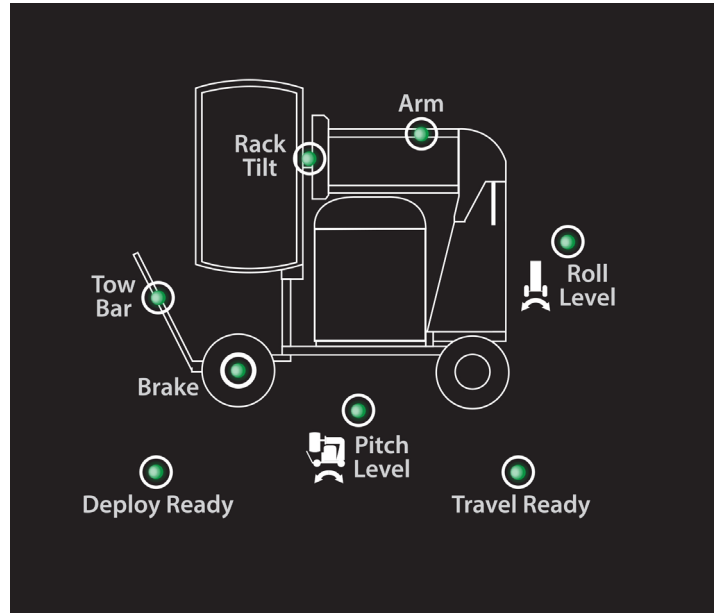
- Pitch Level: Front and back level

Figure 23: View the ePod's Status Panel for information about the Motion Control System.

	Green	Red	LED Off
Rack Tilt	Fully vertical, i.e., Travel Ready position	Any position that is not fully vertical	N/A
Arm	All the way down, i.e., Travel Ready position	Any position that is not down	N/A
Roll Level	ePod roll angle is less than 10° from level	ePod roll angle is greater than 10° from level	N/A
Tow Bar	Up and lock position	N/A	Down position
Brake	On	N/A	Off
Pitch Level	ePod tilt angle is less than 10° from level	ePod tilt angle is greater than 10° from level	N/A
Deploy Ready	ePod is level; brake is on; tow bar is in the up and locked position	N/A	If the three Green qualifications are not met
Travel Ready	Brake is off; arm and rack are in Travel Ready position	N/A	If the two Green qualifications are not met

CAUTION: *The ePod system will not deploy if the Roll Level or the Pitch Level indicators are red, which indicates that the ePod is outside of their 10° angle.*

Sound Coverage Overview

This section outlines the suggested practices to reach the audio levels desired when using your eVenue Tempo system. It is better to determine your intended audio coverage at the beginning of the installation procedure. For more on system setup, look at the Hardware Installation section on page 10 of this manual. Included is a legend to identify the images used throughout this section.

It is important to consider what areas you would like to cover with sound. You may want to balance audio for your entire team or pinpoint certain sections of the practice field.

Each ePod is estimated to cover approximately 90 degrees of horizontal space, 70 degrees of vertical space, and up to 100 feet of depth (for maximum impact before dissipation affects sound quality).

Legend

ePod — Front

Tempo Master

120 V
15 A
60 Hz

Audio Cable

Positioning your ePod(s)

In Figure 24, you can see how positioning the ePods straight toward the field will impact a select section of your practicing team.
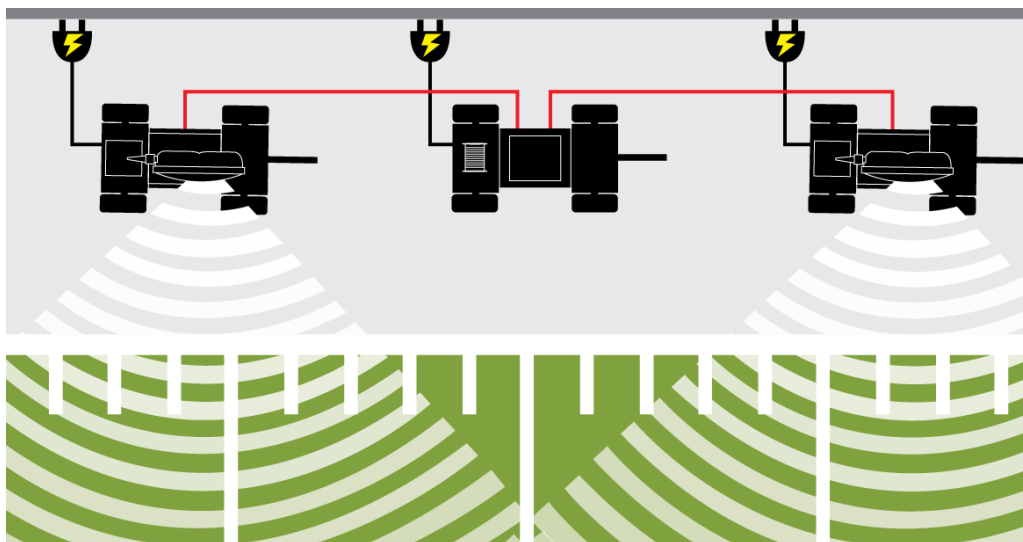
Figure 24: Example of Straight ePod Positioning

In contrast, to balance audio output across the intended audience, you can angle the ePods so they cover a specific area, as shown in Figure 25.
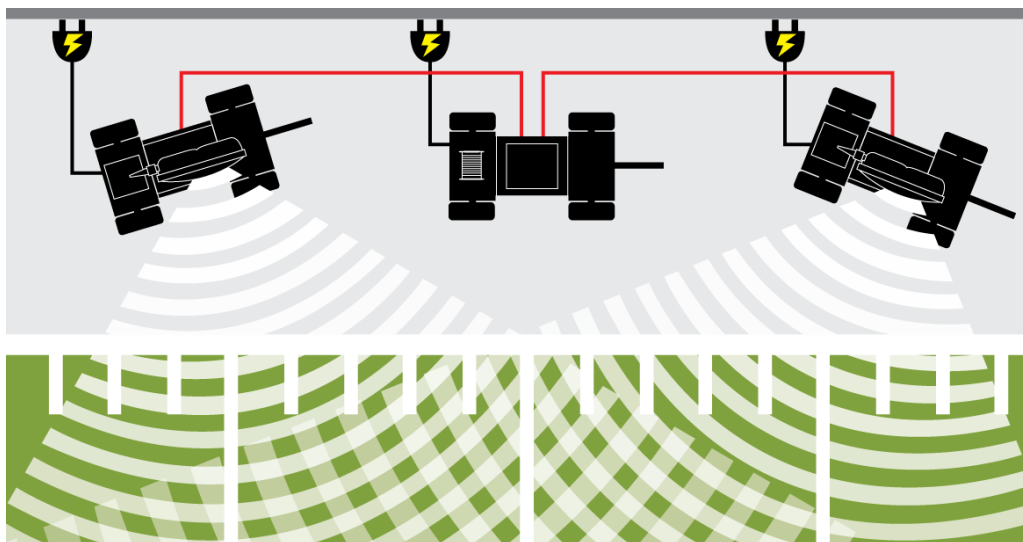
Figure 25: Example of Angled ePod Positioning

Sideline Configuration

To distribute sound across the field, place your ePod(s) evenly along the sideline. This coverage area will distribute balanced audio to your entire team on the field, as shown in Figure 26.
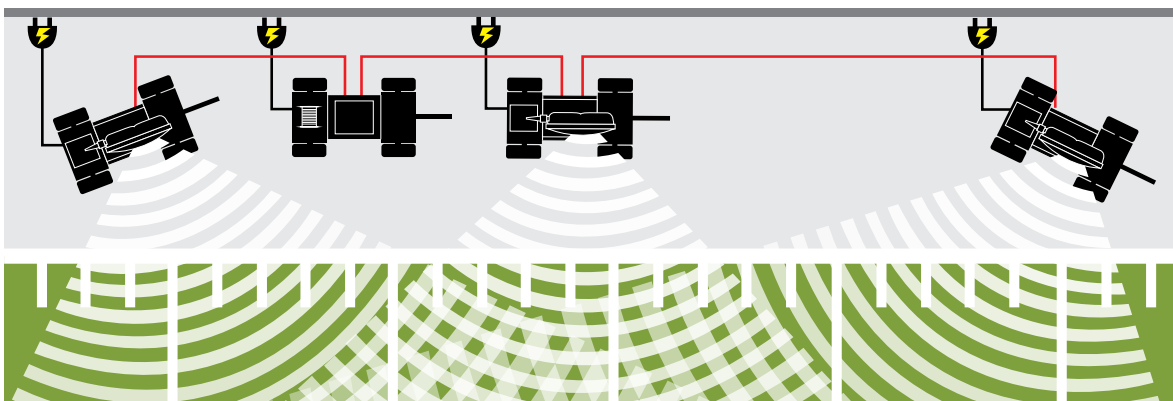

Figure 26: Sample eVenue Tempo Sideline Configuration

End Zone Configuration

To increase sound perception, mimicking a gameday environment, place your ePod(s) in the end zone. You'll place one at each outside corner and distribute the remaining ePod(s) between the two. This end zone configuration with three ePods and the Tempo Master is shown in Figure 27.
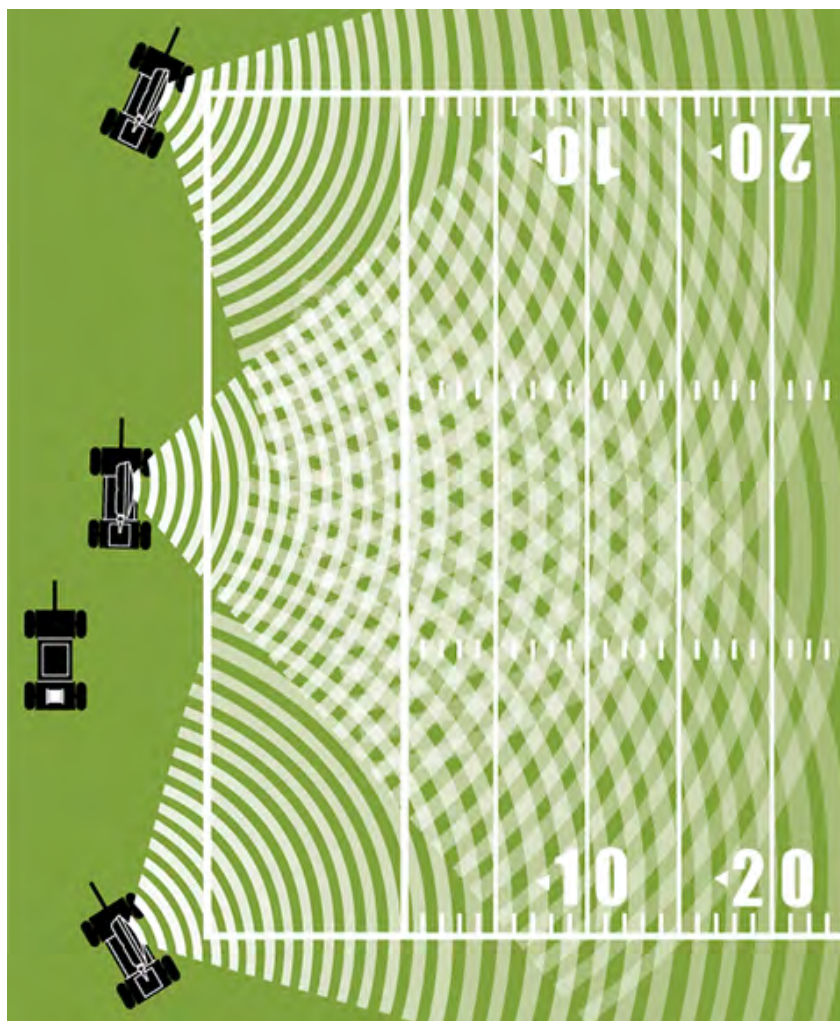

Figure 27: Sample eVenue Tempo End Zone Configuration

Positioning Your Upper Speaker Array

Once you have followed the Setup Procedures in this manual, test your ePod output and position the Upper Speaker Array(s) to the desired angle for further coverage specification. For reference, the center point of the Upper Speaker Array will align with the center point of your intended coverage area.

When the upper speaker array is completely vertical, the coverage is limited to the area directly in front of it, losing sound energy as it extends farther. This is known as Flat Coverage and is shown in Figure 28.
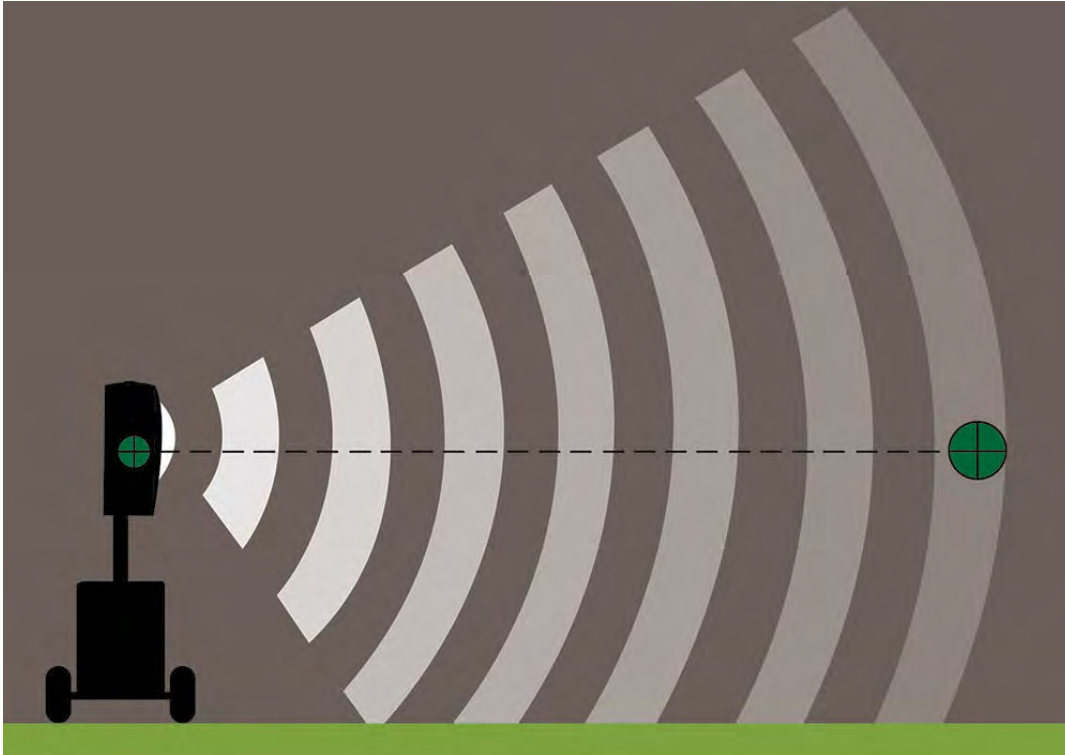
Figure 28: Adjust your ePod Upper Speaker Array's tilt for flat coverage.

Software Installation and Operation

The following section details procedures for operating eVenue Tempo Software.

Installation

Tempo Software is already provided on the eVenue system's Tempo Master PC. To install Tempo Software on a secondary PC, contact CoachComm for assistance.

Minimum Software Requirements

The minimum software requirements for running Tempo Software on a secondary PC are listed below:

- Processor: 1GHz

- RAM: 512 MB

- Disk Space: 100 MB

- Windows XP or Windows 7 SP1

Operation

Organize Your Audio Library

Organize your MP3 audio files within your computer's directory so they can be easily imported into a Tempo script. Do this by placing the files you'd like to use in your Tempo library. To access your Tempo audio library, use these steps:

1. Click on **Start**.

2. Go to **My Computer** and open your (C:\) folder.

3. Open the **Tempo** folder, and then open your library. The location of the Tempo folder will be the same on the Tempo Master's touchscreen PC as on the PC where Tempo Software is installed.

CoachComm recommends creating organized folders in your library to hold your music and sounds (e.g., crowd noise, game sounds, announcer's or coaches' voice, etc.) to play in the Tempo Software.

> **Important:** *All music files must be .mp3 files to play in the software.*

In order for new MP3's to be visible in Tempo, you will have to close the software and reopen any time you make changes to the files in your library.

Open Tempo Software

Open the Tempo Software by double-clicking the Tempo shortcut on your computer's desktop.

Build a Script

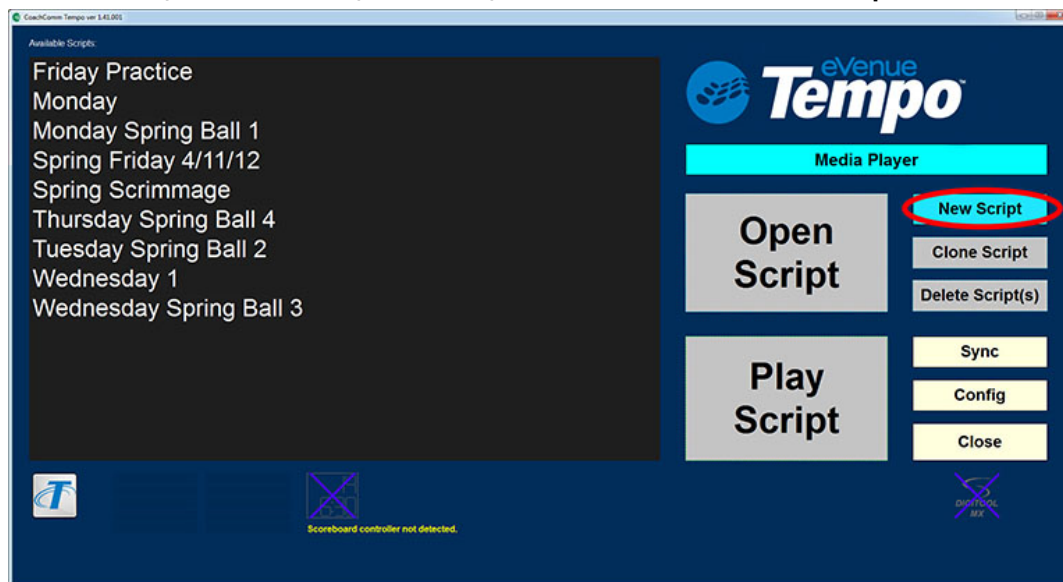1. To build a script from scratch, open the Tempo Software and click on **New Script.**

Figure 29: New Script Menu Option

Note: *The bottom of the Tempo Software home screen displays three indicators for the status of the T-Desk software, any connected clocks, and the Tempo Master's "Digitool" routing processor. When using the Tempo Software on a secondary PC (as shown in Figure 29) the clocks and processor will not be detected.*

The new, blank script will display with these tabs: **General**, **Periods**, **Effects**, **Crowd/Game**, and **One-Touch**. The Folder List shown on the left hand side of the screen displays all of the music folders you created in your Tempo library.
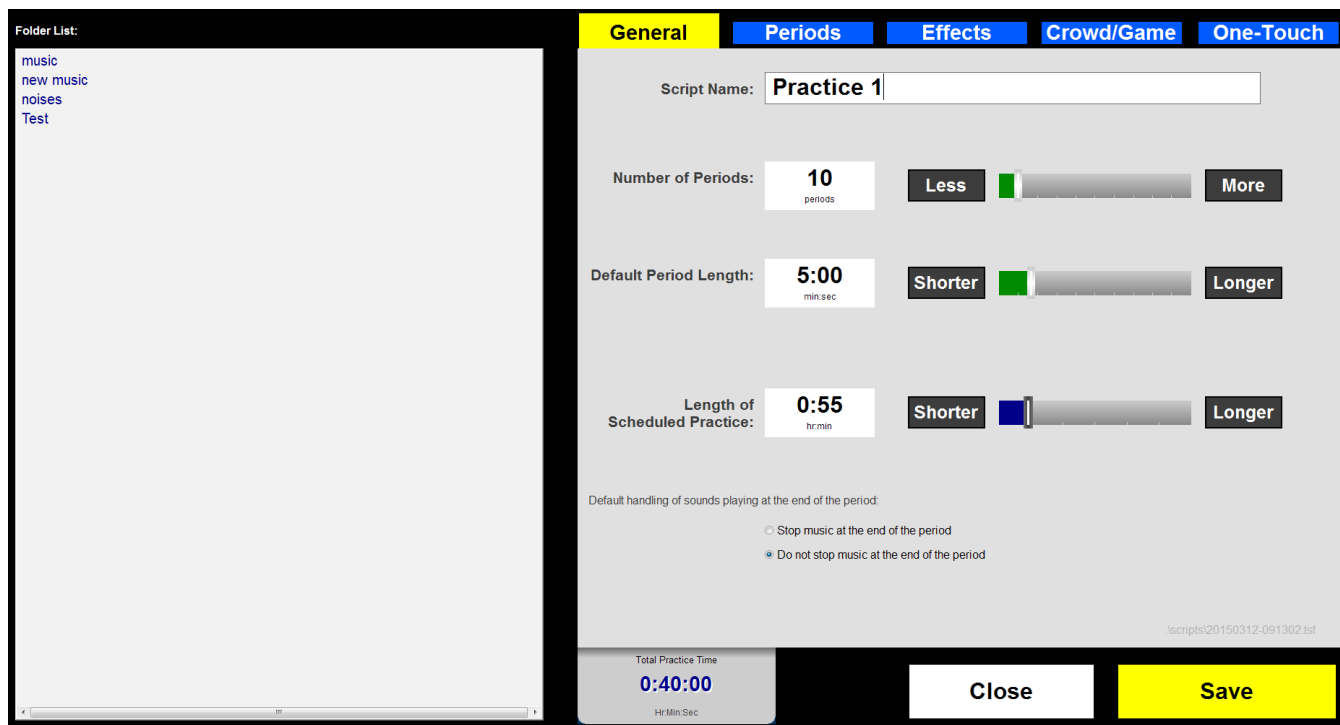
Figure 30: Tempo Software Edit Screen

Note: *You can preview an audio file in this list by selecting it and using the **Play/Pause** button at the bottom of the screen. Changing your song selection will automatically start the next song until you click **Pause**.*

General Tab

2. Enter your general script settings on the **General** tab. Click **Save** when done.

Figure 31: Tempo Software General Tab

A. Name your script.

B. Select your total number of practice periods (i.e., sections of practice).

C. Determine your default period length. (This is your most used period length. You can customize length by period in the Periods tab)

D. Determine your total scheduled length of practice.

E. Determines whether or not the music stops at the end of the period.

Note: If you make your total practice time longer than your allowed or allotted practice time, the timing mechanism will flash red on the bottom center of the screen. This control functions to monitor practice-time regulations.

Periods Tab

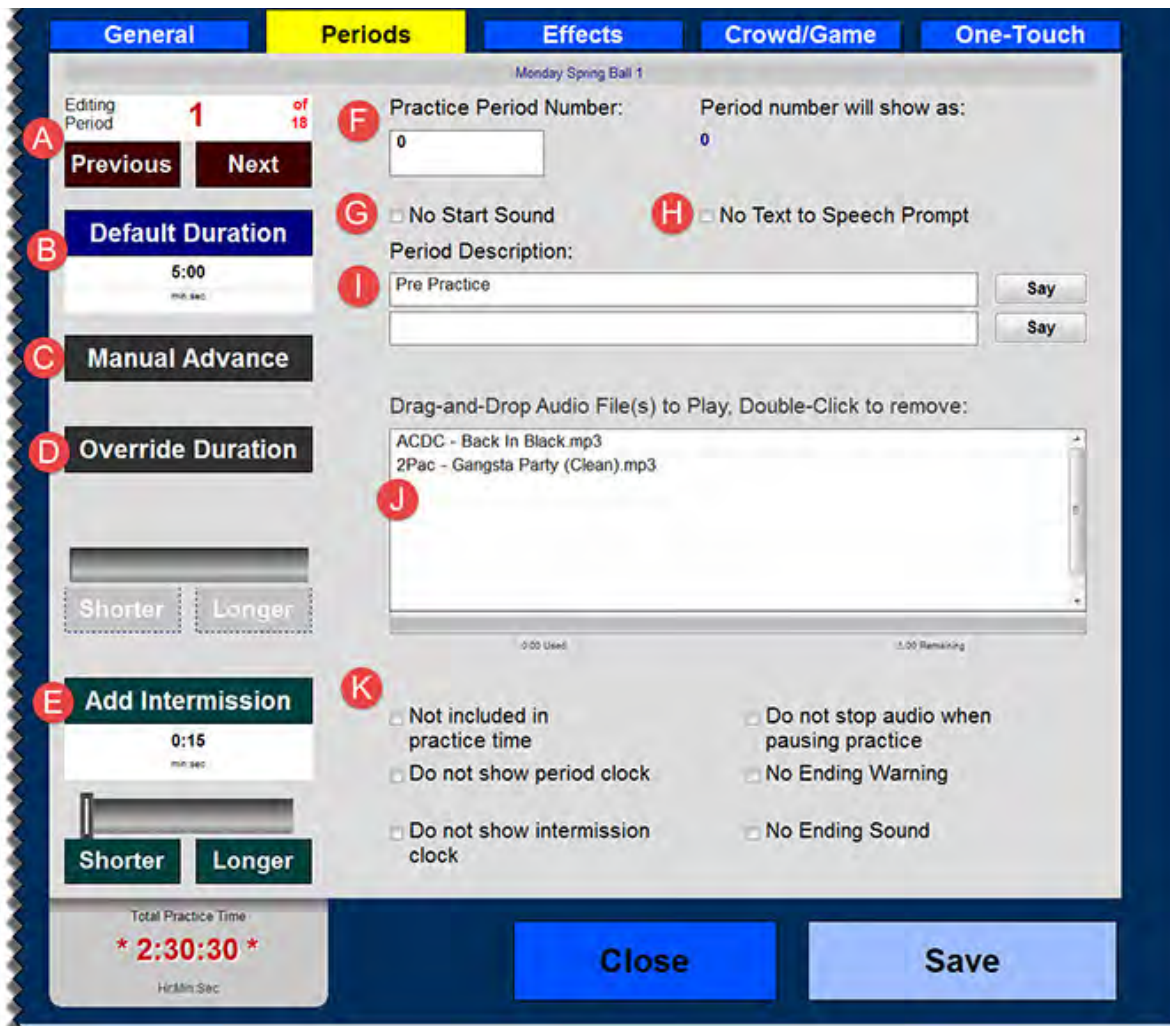3. Enter the settings for each Period on the Periods tab. Click Save when done.

Figure 32: Tempo Software Periods Tab

A. **Editing Period:** The top left corner of the tab displays the number of the period you're editing. Use the **Previous** and **Next** buttons to navigate to each period.

B. **Default Duration:** Setting for all periods on the **General** tab and is shown on the **Periods** tab.

C. **Manual Advance:** Select if you prefer your period to have no time associated with it. With this setting, a period will not advance to the next period unless you manually do so from the touch screen, Tempest FX BeltPack, or Commando-T Remote. This setting's options are hidden until it is selected.
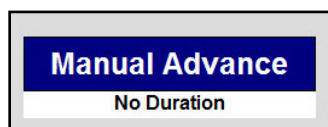

Figure 33: Select if you do not want the period to have a time frame.
This setting's options are hidden until it is clicked.

D. **Override Duration:** Select if you need to adjust the duration of a specific period to be shorter or longer than the Default Duration. For example, if the majority of your periods are five minutes each, but you want a specific period to be eight minutes long, you can override just that period's duration using this feature's slider or **Shorter** and **Longer** buttons. This setting's options are hidden until it is selected.

Figure 34: Optional Override Duration Option. This setting's options are hidden until it is clicked.

E. **Intermission:** Set an optional period Intermission using the slider or **Shorter** and **Longer** buttons. Intermission is time that will not count toward practice that will occur after a period.

F. **Practice Period Number:** Determine what (if any) period number will display on your period clock (if applicable). If you leave the **Practice Period Number** field empty, the clock will always display the default period number. The **Period Number Will Show As** field displays what will be seen in the software and on the clocks as you run the script.

- Type two hyphens (--) in this field to remove the period number from the period clock. The period time will still be displayed on the clocks.

- A zero can be placed in this field to display a zero on the period number.

- Putting an "S" in this field will direct Tempo to skip that period number and refer back to the previous one.
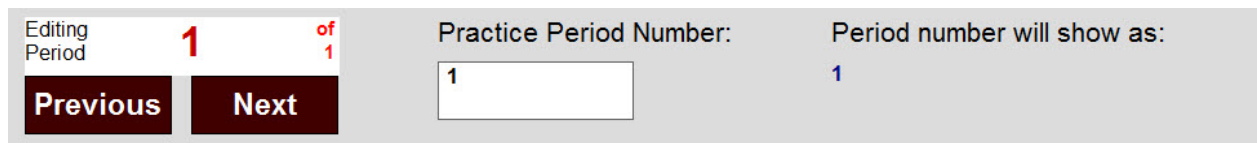

Figure 35: Use the Practice Period Number field to determine what period number will display on your period clock.

G. Tempo's Start Sound plays the sound you set to begin a period. Selecting the **No Start Sound** check box turns off this feature.

H. Tempo's Text to Speech Prompt reads aloud each period's title and description as the period begins. Selecting the **No Text to Speech Prompt** radio button turns off this feature.

I. Text written in the **Period Description** field will be said aloud at the beginning of the period if the **Text to Speech Prompt** is enabled.

J. The **Audio Files** area of the window holds all your audio files to play during the period. To add a file, drag and drop it to the period's Audio Files area from the Folder List. The period's **Used** and **Remaining** time is displayed below this panel. **Used** time is calculated by adding the total amount of time of your audio clips. It is best practice to add more than enough audio files to completely fill each period in case a user skips a song mid-series. Double-click on an added audio file to remove it from the list.

K. Additional options for the Periods tab are shown below.

    i. **Not Included in Practice Time:** Check this box to remove the period from the total practice time. Typically used for practice beginning or stretching time.

    ii. **Do Not Show Period Clock:** Check this box to remove the period time from the period clock. The period number will still be displayed on the clocks.

    iii. **Do Not Show Intermission Clock:** Check this box to remove the intermission information from the period clock.

    iv. **Do not stop audio when pausing practice:** Check this box to allow music to continue playing even when the Tempo script is paused using Pause Practice button in script.

    v. **No Ending Warning:** Check this box if you do not want to have an ending warning for the period.

    vi. **No Ending Sound:** Check this box if you do not want to have an ending sound for the period.

Effects Tab

4. Determine the sound effects for all periods on the Effects tab by dragging the selected audio file from the Folder List to the applicable field. Delete unwanted audio files using the Clear button. Click Save when done.
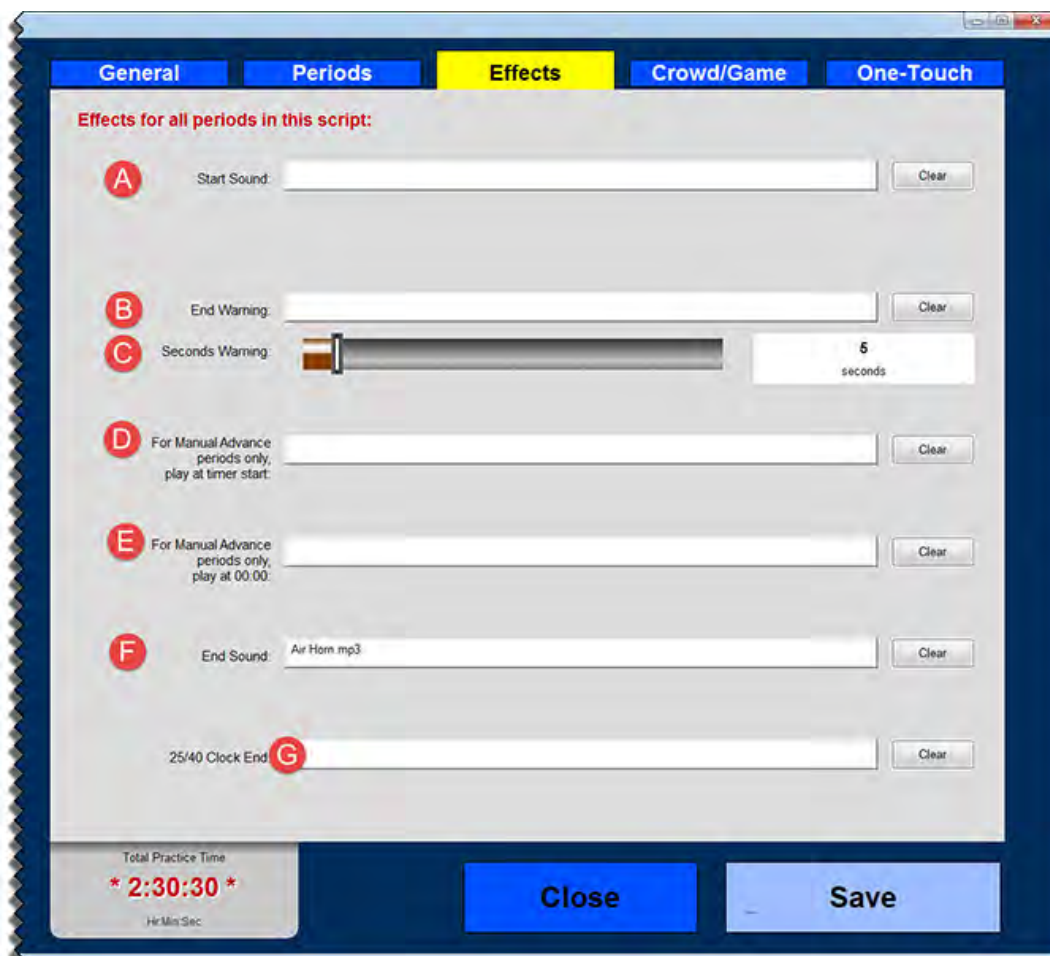

Figure 36: Tempo Software Effects Tab

A. **Start Sound:** Effect for the start of the period

B. **End Warning:** Effect for the period End Warning

C. **Seconds Warning:** Sets the time remaining in the period when the End Warning sounds

D. **For Manual Advance Periods Only: Play at Timer Start:** Effect for the start of a timer using direct entry in a manual advance period

E. **For Manual Advance Periods Only: Play at 00:00:** Effect for the end of a timer using direct entry in a manual advance period

F. **End Sound:** Effect for the end of the period

Note: *Including both a start sound and end sound will play a sound both at the end of the period and at the beginning of the next (as if the sound repeats back-to-back). Most users choose to have one or the other, not both.*

G. **25/40 Clock End:** Effect for the end of the 25/40 clock countdown

Crowd/Game Tab

5. Create a queue of audio files using the **Crowd/Game** tab. Drag the selected audio file from the Folder List to the applicable field. Delete unwanted audio files by double-clicking them. Click Save when done.
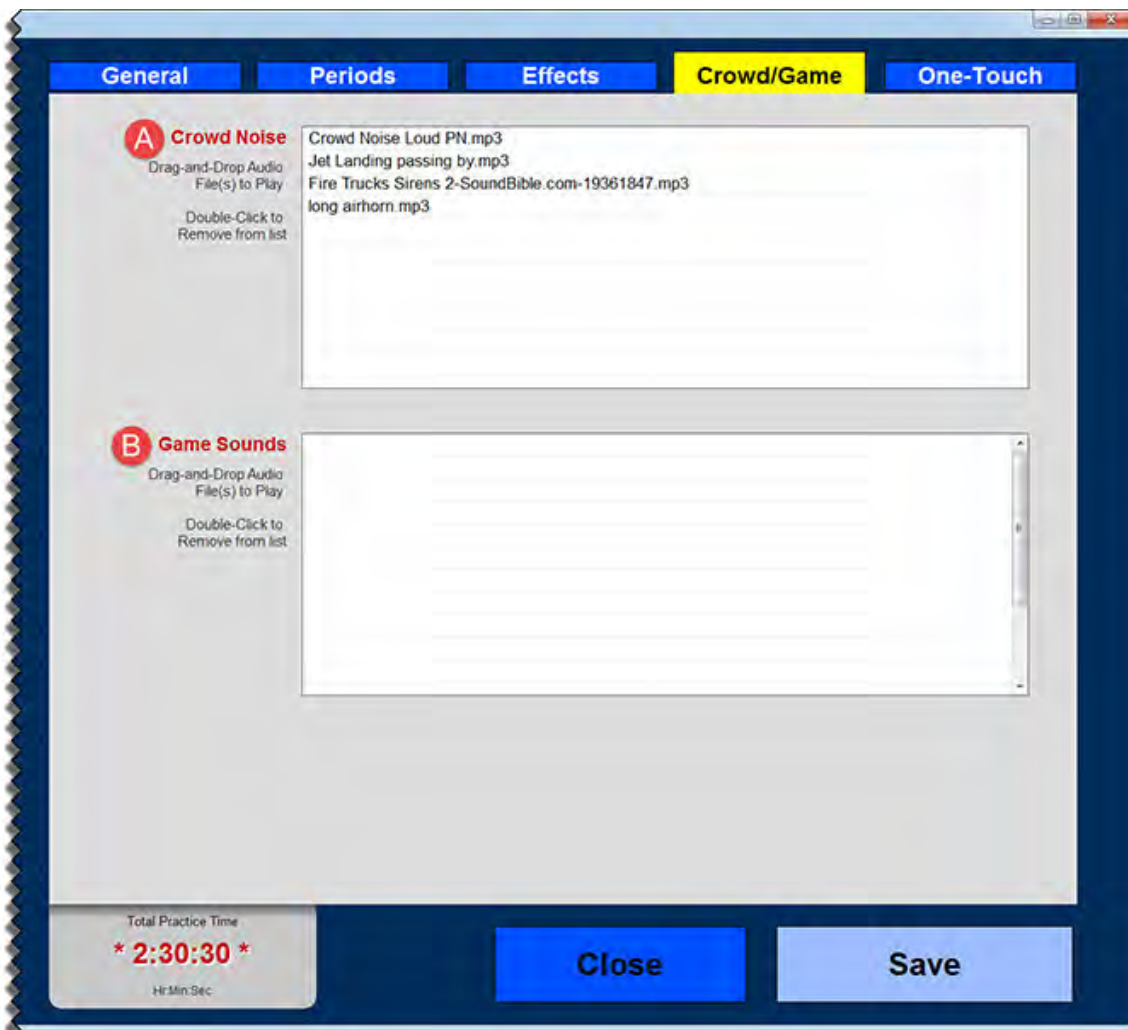

Figure 37: Tempo Software Crowd/Game Tab

A. **Crowd Noise:** List of audio files quickly accessible from Tempo as you play the script.

B. **Game Sounds:** List of audio files quickly accessible from Tempo as you play the script.

One-Touch Tab

6. Set specific one-touch buttons for the Tempo Play screen using the One-Touch tab by dragging the selected audio file from the Folder List to the applicable field. Delete unwanted audio files by selecting **Clear**. Click Save when done.

Figure 38: Tempo Software One-Touch Tab

A. Assign each audio file a **Button Label** to be shown on the **Play** screen. Try to use short and concise labels for a cleaner interface when playing a script.

B. To set a file to continuously play, check its **Loop** box.

C. Verify all buttons by clicking **Save**, closing the script editor, and playing the script. Each one-touch button should display at the bottom of the play screen.

Edit a Script

1. Select the script you wish to edit from the Tempo Home screen.

2. Click **Open Script** and make your desired changes. Click **Save** before closing.

Clone a Script

Cloning a script makes a duplicate copy of the selected script. This is useful in situations where you would want nearly identical scripts for each practice day, but still need to change a few details. Cloning prevents you from having to create each script from scratch.

1. Select the script you wish to clone from the Tempo Home screen.

2. Click **Clone Script.** Confirm your decision in the pop-up prompt. Your duplicate copy will display in the **Available Scripts** list with an identical file name, plus the date and time of cloning.

3. Select your new script, click **Open Script,** change the title to whatever you want (e.g., Wednesday Practice), and make your other desired changes. Click **Save** before closing.

Delete a Script

1. Select the script you wish to delete from the Tempo Home screen.

2. Click **Delete Script(s)**. Confirm your decision in the pop-up prompt.

Sync a Script

Most Tempo users typically build their scripts using a dedicated PC; then, they sync the scripts and files to the Tempo Master. Prior to beginning the sync process, make sure that you have some form of dedicated drive available for the sync process. This could be an external hard drive or thumb drive, but it needs to be used with every sync so that no files are lost in the sync transfer process.

1. On your dedicated sync drive, create a folder called temposync. (If the temposync folder is not on your drive, it will not show as a syncable device in the Tempo Software.)

2. After building a script and saving it, plug your external drive into your PC (usually via USB).

3. Click on the **Sync** button on the main Tempo Home screen. The Sync Flow screen will display.
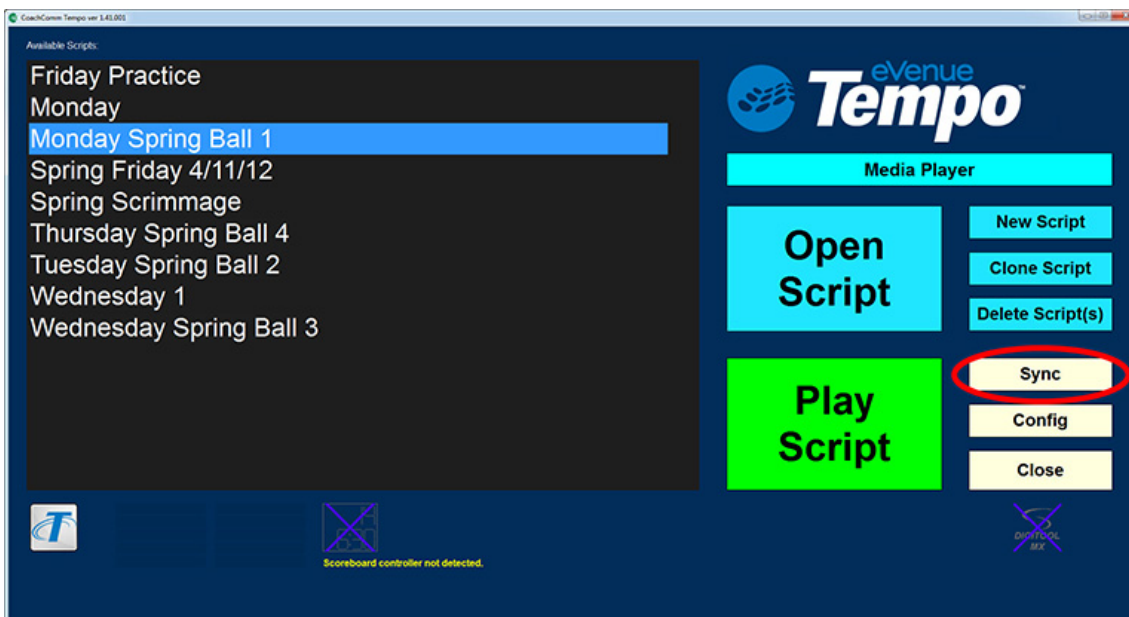
Figure 39: Use the Sync Option located on the Tempo Home Screen to share and transfer scripts from your PC to the Tempo Master.

4. Select either **Do Not Delete** or **Allow Deletion** on the Sync Flow screen. Tempo automatically selects the **Do Not Delete** option on this screen. This means that all scripts, music, effects, etc. on the external/USB drive WILL NOT be overridden with the new transfer. The sync just adds to the current file structure in place.

If you select **Allow Deletion**, all scripts, music, and effects on the external drive will be deleted and replaced with the new material you are syncing.
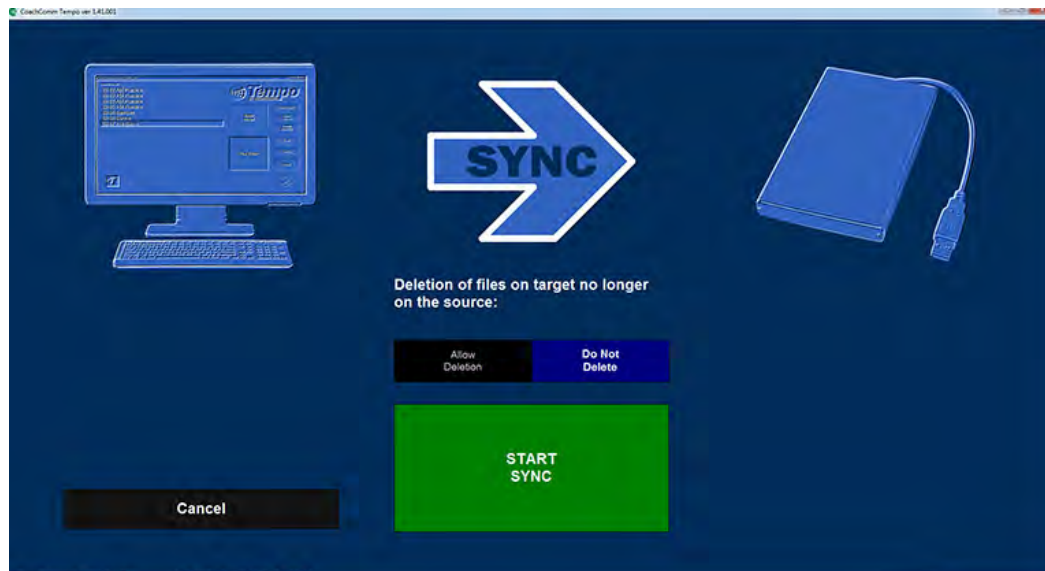
Figure 40: Tempo Software Sync Screen from PC to External Drive

5.   Click **Start Sync.**

6.   Connect the external drive to the Tempo Master.

7.   Open the Tempo software and click on the **Sync** button on the main Tempo Home screen. A Sync Flow screen similar to the one on your PC will display. Click **Start Sync**.
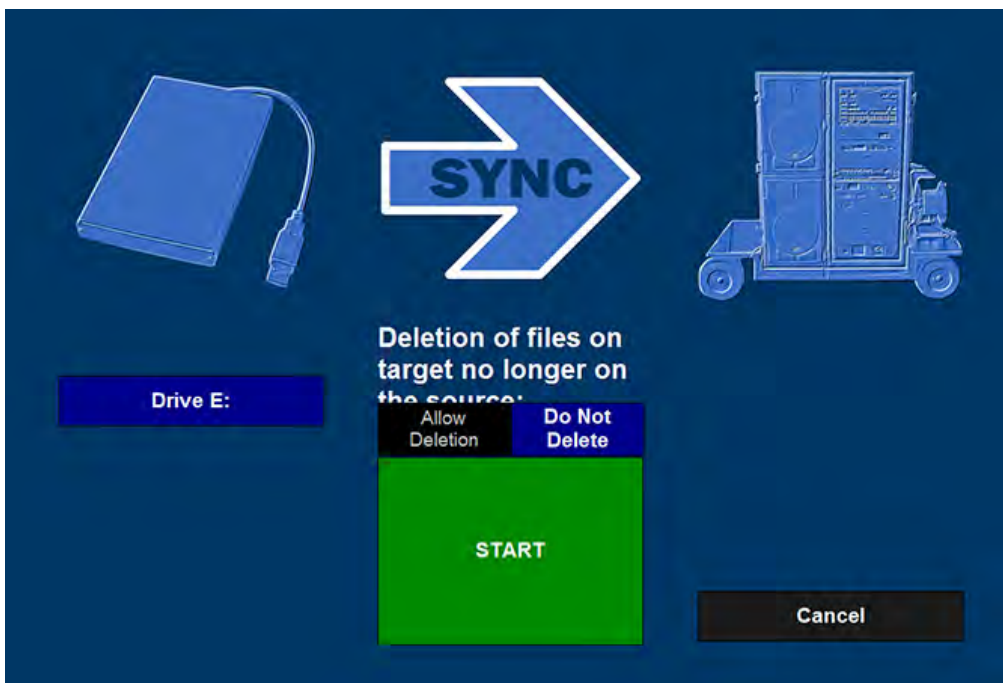
Figure 41: Tempo Software Sync Screen from External Drive to Tempo Master

8.   To show synced changes, you must close the Tempo Software and reopen it.

Configure the System

The Config screen on the Tempo interface is used to control the functionality of your Tempest FX BeltPacks (if applicable), to determine a clock feature, and also to configure your text-to-speech prompts to work for all periods within your script.
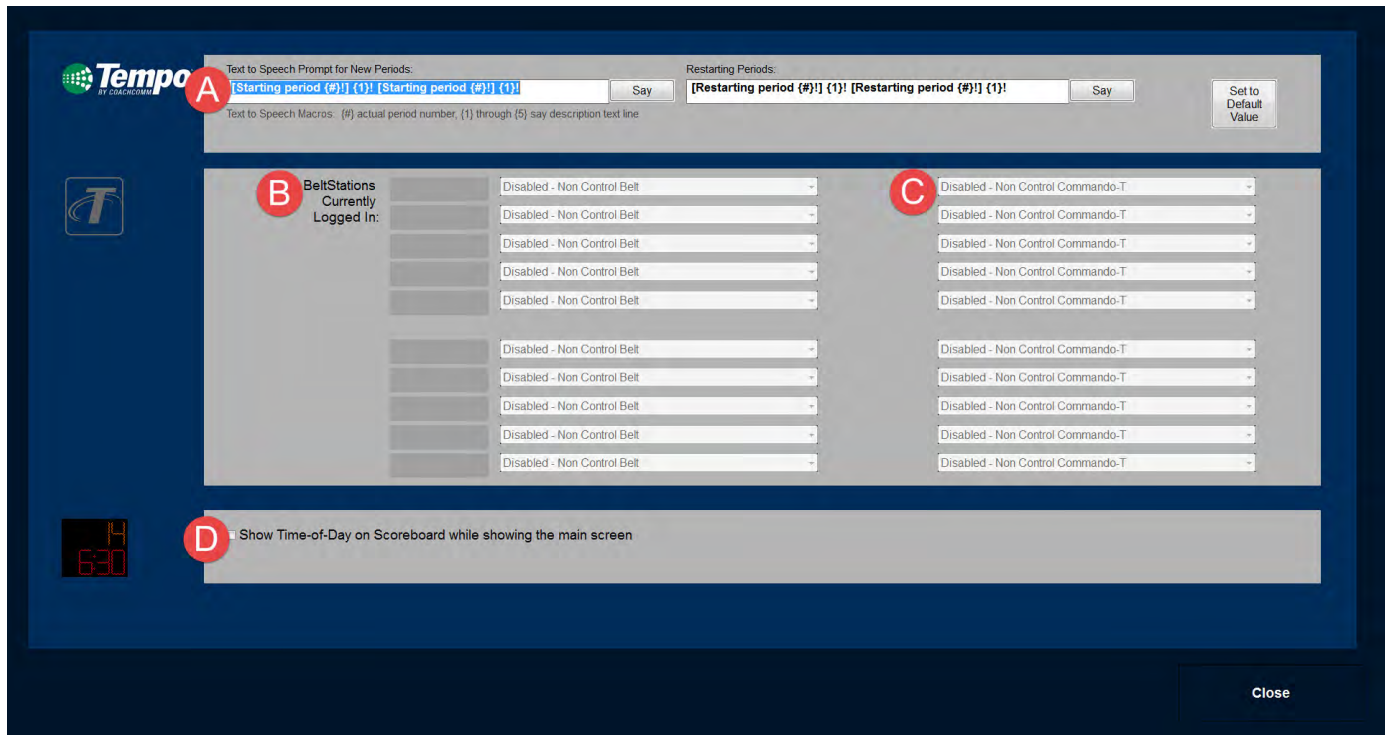
Figure 42: Tempo Software Config Screen

A. The **Text-to-Speech Prompt for New Periods** and **Restarting Periods:** Populates fields automatically for you by clicking **Set to Default Value**. Currently, the default value will have the PC read the period number and description line twice. You can choose to leave it like that, delete one of the segments, or delete the line all together if you don't want anything read before the periods of your script. Customize this to whatever your coach likes best.

B. **BeltStation Controls: Configure the** control functions for all associated Tempest BeltPacks.

C. **Commando-T Controls:** Configure the settings of a Commando-T Remote associated to a BeltPack. Select either Volume Remote, Clock Remote, or No Remote.

D. **Time of Day:** Select this checkbox to display the time of day on your clocks when the Tempo Software is on the home screen. When checked, the period clocks will display the time of day when the Tempo Software is on the Home screen. When not checked, the period clocks will display nothing when the Tempo Software is on the Home screen.

Play a Script

1. To play a script, Open the Tempo Software and click **Play Script.**
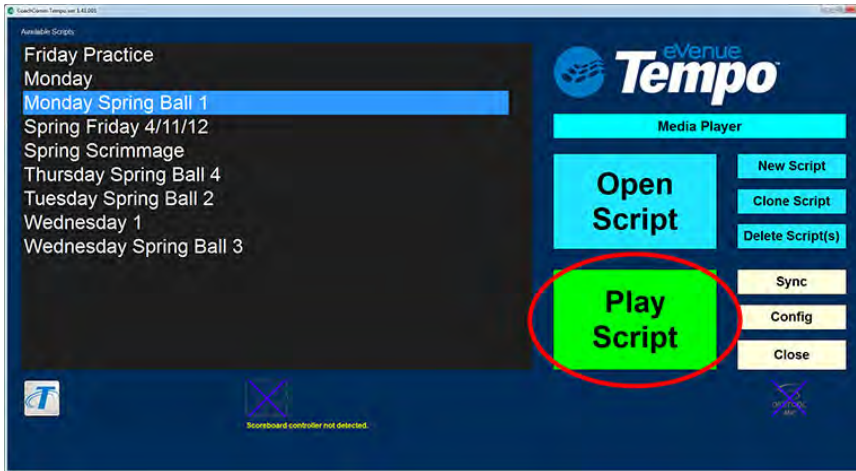
Figure 43: Play Script Menu Option

The Play screen will display, but the practice script defaults to **Practice Paused** after opening. Click the red **Practice Paused** button to start the script. The button will change to blue and read **Pause Practice.** Click it again to pause. Depending on how you set up your script periods, you may need to interact with Tempo further, or you may just let it run.
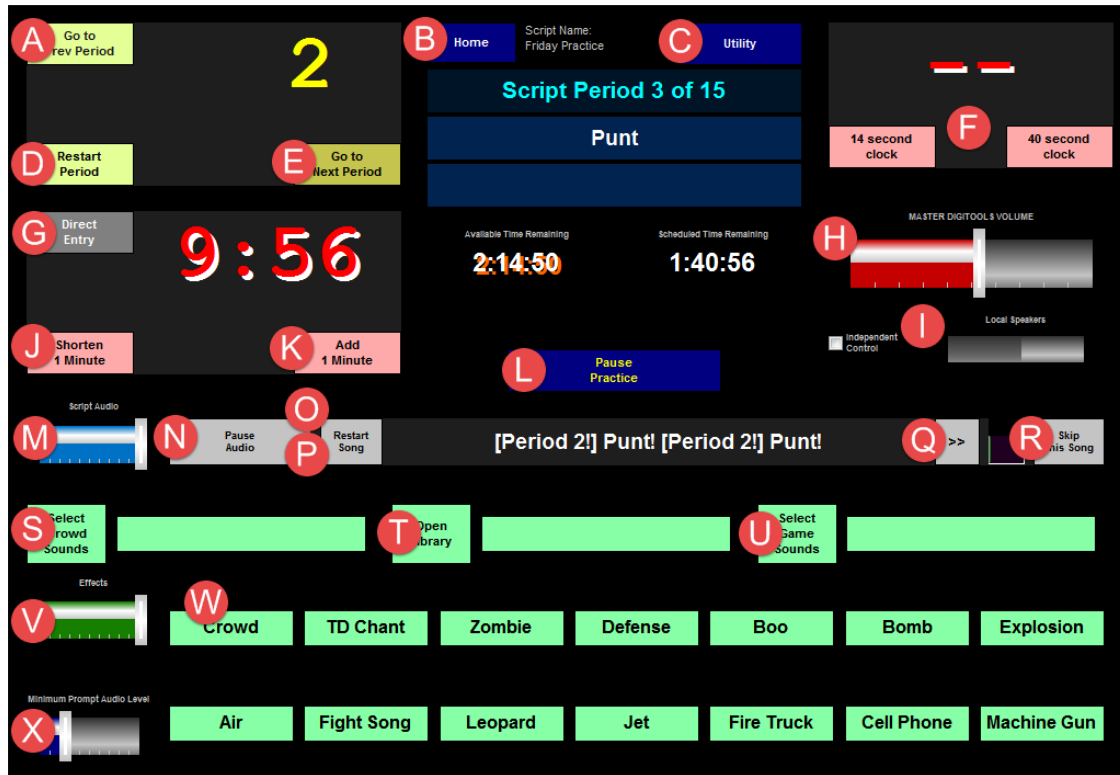

Figure 44: Labeled Tempo Play Screen

Features from the Play screen are listed below:

A. **Go to Prev Period:** Moves to previous period in the script

B. **Home:** Returns to Home screen

C. **Utility:** Allows you to edit the play clock length

D. **Restart Period:** Restarts the current period from the beginning

E. **Go to Next Period:** Moves to the next period in the script

F. **25 second clock/40 second clock:** Starts your 25/40 clocks

G. **Direct Entry:** Allows you to enter a specific time for the period clock

H. **Master Volume Slider:** Adjusts the overall system volume, including script audio, audio effects, and voice announce audio

I. **Local Speakers Checkbox (if available):** Plays system audio through local PC speakers

J. **Shorten 1 Minute:** Removes one minute from the period clock

K. **Add 1 Minute:** Adds one minute to the period clock

L. **Pause Practice:** Pauses clocks and script audio

M. **Script Audio Slider:** Adjusts volume level for script audio

N. **Pause Audio:** Pauses script audio

O. **Previous Song:** Moves to previous song in the script

P. **Restart Song:** Restarts the current song from the beginning

Q. **Fast Forward:** Fast-forwards current song if pressed and held down

R. **Skip This Song:** Skips current song in the script and plays the next

S. **Select Crowd Sounds:** Allows you to select from the period's set list of crowd sounds audio files

T. **Open Library:** Opens library to browse and play any song in your Tempo music library

U. **Select Game Sounds:** Allows you to select from the period's set list of game sounds audio files

V. **Effects Slider:** Adjusts volume level for audio effects (crowd sounds, game sounds, and one-touch buttons)

W. **One-Touch Buttons:** Allow quick access to regularly played songs and sounds

X. **Minimum Prompt Audio Level Slider:** Sets volume of prompts compared to script audio

Note: Many of these functions (if available) can also be controlled by your BeltPack or Commando-T Remote (if connected).

System Control

You can control the Tempo script using the built-in touchscreen monitor at the Tempo Master, or you can remotely control the system using a Tempest FX BeltPack or BeltPack and Commando-T Remote.

Commando-T Remote
Tempest BeltPack

Figure 45: eVenue Tempo System Control Options

BeltPack and Headset

The Tempest system is an optional add-on to eVenue Tempo, and with it, you can communicate and control system functions remotely through a BeltPack. The default BeltPack remote commands available are:

- **Turn CD Knob:** Adjust Volume
- **Call + Talk AB:** Start 25-Second Clock
- **Call + Talk CD:** Start 40-Second Clock
- **Call + Stage:** Display Practice/Script Time Remaining
- **Call + Hold Enter:** Next Period
- **Call + Hold Menu:** Previous Period
- **Call + Hold Menu:** Restart Period
- **Call + Hold Stage:** Pause/Restart Practice
- **Call + Turn AB Knob:** Adjust Period Length

Voice Announce is also a feature that will duck the music while the designated coach speaks over the system. In this situation, the music's volume level is lowered, and the voice volume level is not. To do this, your headset should be plugged into a BeltPack that has been configured in the Config menu and that has Voice Announce enabled.

Commando-T Remote

The Commando-T Remote is an optional controller to use with your existing Tempest FX BeltPack. Its simple controls perform the same functions as the BeltPack alone, but with an easier interface.

Commando-T Clock Remote Functions: (See Figure 46)

1. **25:** Starts the 25-Second Clock

2. **40:** Starts the 40-Second Clock

3. **Restart Period:** Restarts the current period from the beginning

4. **Pause Practice:** Pauses clocks and script audio

5. **Previous/Next Period:** Moves to previous or next period in the script

6. **-1:00 / +1:00:** Adds or removes one minute from the period clock

7. **One-Touch Buttons 1 and 2:** Play the sounds associated to the first and second One-Touch buttons on the Tempo Play screen

Commando-T Volume Remote Functions: (See Figure 47)

1. **Volume +/-:** Changes script audio volume level

2. **Restart Song:** Restarts the current song from the beginning

3. **Skip Song:** Skips current song in the script and plays the next

4. **Pause Audio:** Pauses script audio

5. **Pause Practice:** Pauses clocks and script audio

6. **One-Touch Buttons 1–4:** Play the sounds associated to the top four One-Touch buttons on the Tempo Play screen

Figure 46: Commando-T Clock Remote

Figure 47: Commando-T Volume Remote
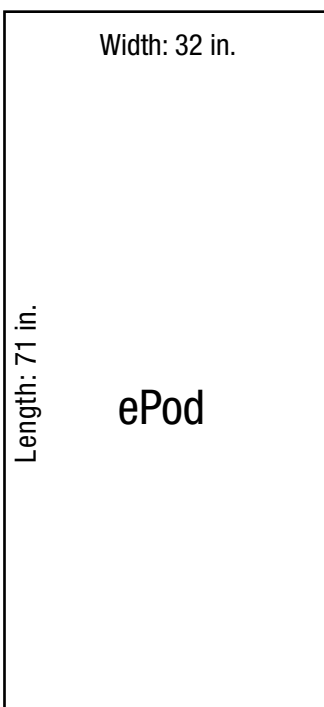
System Maintenance and Storage

1. If the system is exposed to rain, dry all parts of the eVenue Tempo System carefully, including cables and connectors.

2. Always make sure that nuts and bolts are secure prior to and after moving or operating.

3. Connect or disconnect cables by holding the connectors (not the sheath of the cable) and pressing the release button if applicable.

4. When reeling cables, pull the connector back to the reel location and secure it. Then, re-spool the cable by hand from this position so the connector does not become damaged.

5. It is recommended that the eVenue system be stored in a climate-controlled environment when not in use.

6. **Storage Temperature:** If a climate-controlled storage space is not available, eVenue equipment can be stored in temperatures ranging from 5° to 130° F. However, when going from cold to warm environments, electronics can form condensation, which can cause damage to the electronic components. If storing your system in these type of conditions, wait for the equipment to acclimate to the ambient temperature before using.

   Operating Temperature:

   A. If using your eVenue system at or near freezing temperatures, it is recommended that you warm speakers up gradually by playing at a low volume for at least 20 minutes before playing at loud levels.

   B. You may notice performance issues when operating above the ambient temperature of 122° F.

7. Store eVenue's Master and ePods with their brakes on and with the tow bar in the upright position.

8. Verify that system power and UPSs are off before storing the system.

Storage Dimensions

The following graphics depict the dimensions of each part of the eVenue Tempo system.

Width: 32 in.

Length: 71 in.

ePod

Travel Ready Height: 71 in.

Width: 32 in.

Length: 71 in.

Tempo Master

Height: 66 in.

Width: 61 in.

Length: 81 in.

Tempo Clock & Trailer
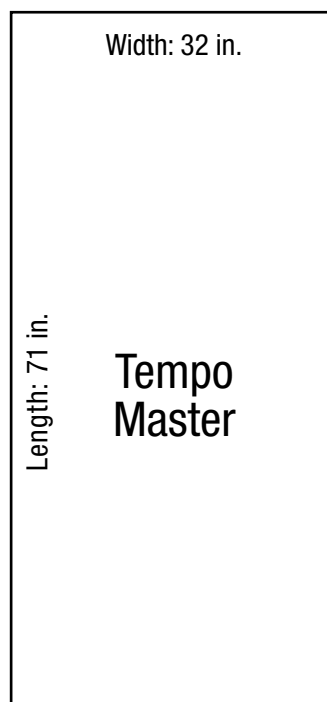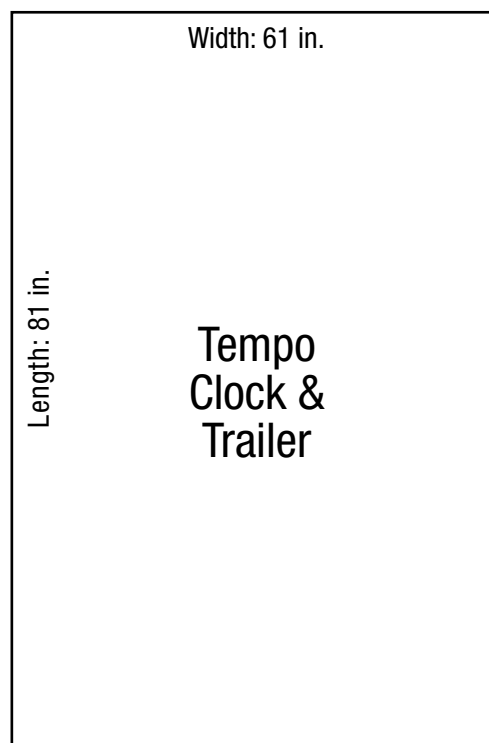
Height: 71 in.

Tie Down Points

There are three recommended tie-down points on the eVenue ePods and Tempo Master: two near the tow bar and one through the hitch receiver.
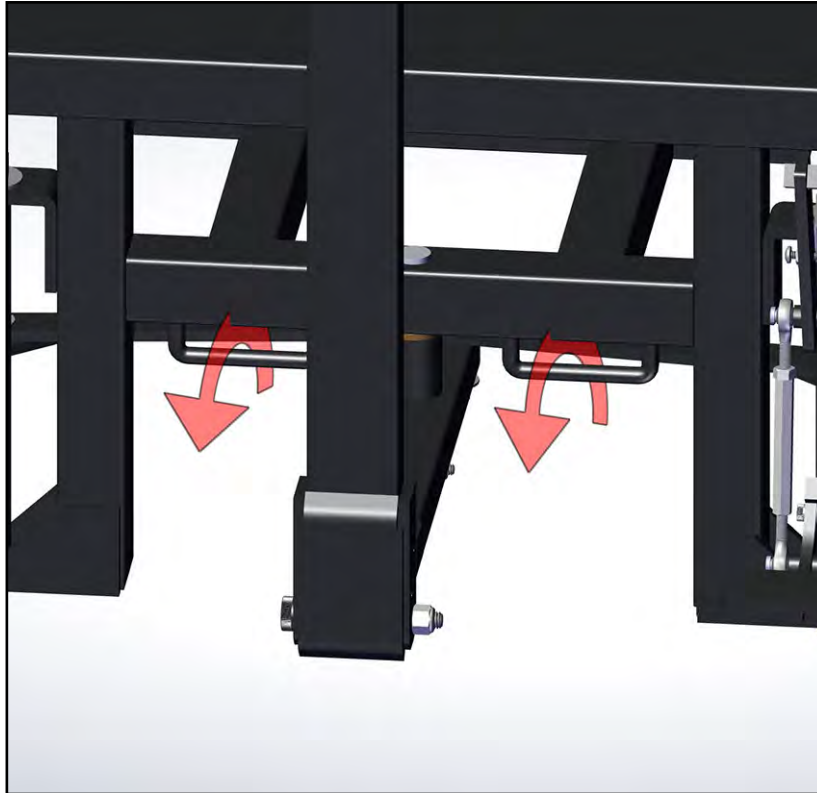
Figure 48: Tie-down points near tow bar
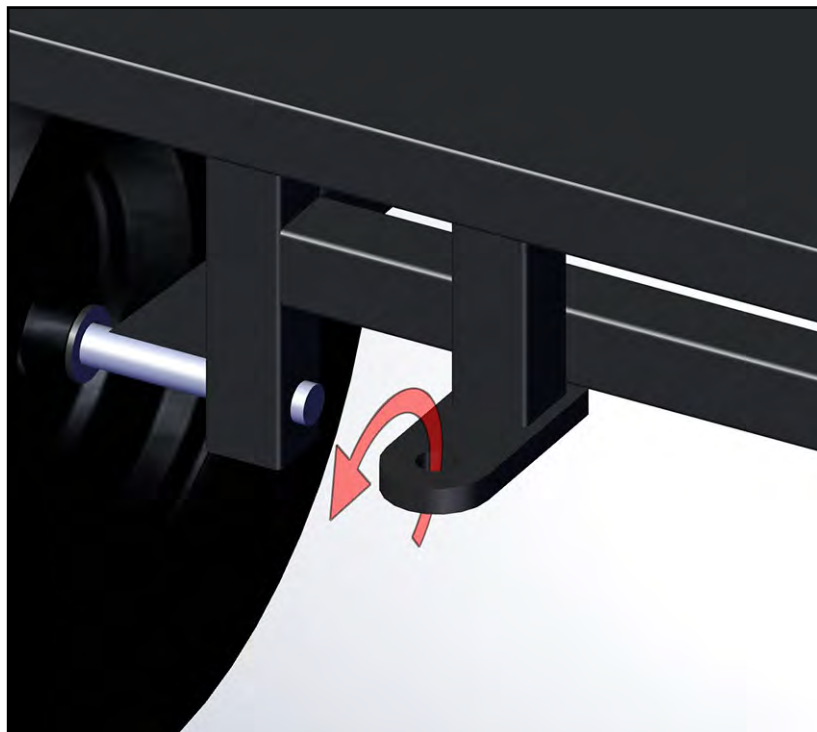
Figure 49: Tie-down point in hitch receiver

Signal Flow Diagram

Figure 50 provides specific audio signal details for the eVenue Tempo system.

I/O Panel

TEMPO IN

Mic 1   FX (Stage)   FX LAN

OUTPUT TO ePod

LEFT   CENTER   RIGHT

PC

ISO

Output to ePods

Inputs

Mute Mute Mute Mute Mute Mute Mute Mute
1   2   3   4   5   6   7   8

Program Port

Outputs

Mute Mute Mute Mute Mute Mute Mute Mute
1   2   3   4   5   6   7   8

Menu

Function

Parameter

Adjust

Program Edit

Edit

Processor

L   C   R   S

Where Output 4 is subwoofer to ePods

Input Signal | System | Notch | Panic Mode

Signal Clip | Bypass | Reset | Wide | Quick Filter

Setup | Filter Learn | Stereo Mono | Display A | Display B

Preset | 1 | 2 | 3 | 4

Filter | Notch Filters Active

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Lock | Power

Feedback
Suppressor

Figure 50: Use this figure to trace the audio signals through the Tempo system.

System Specifications

Tempo Master

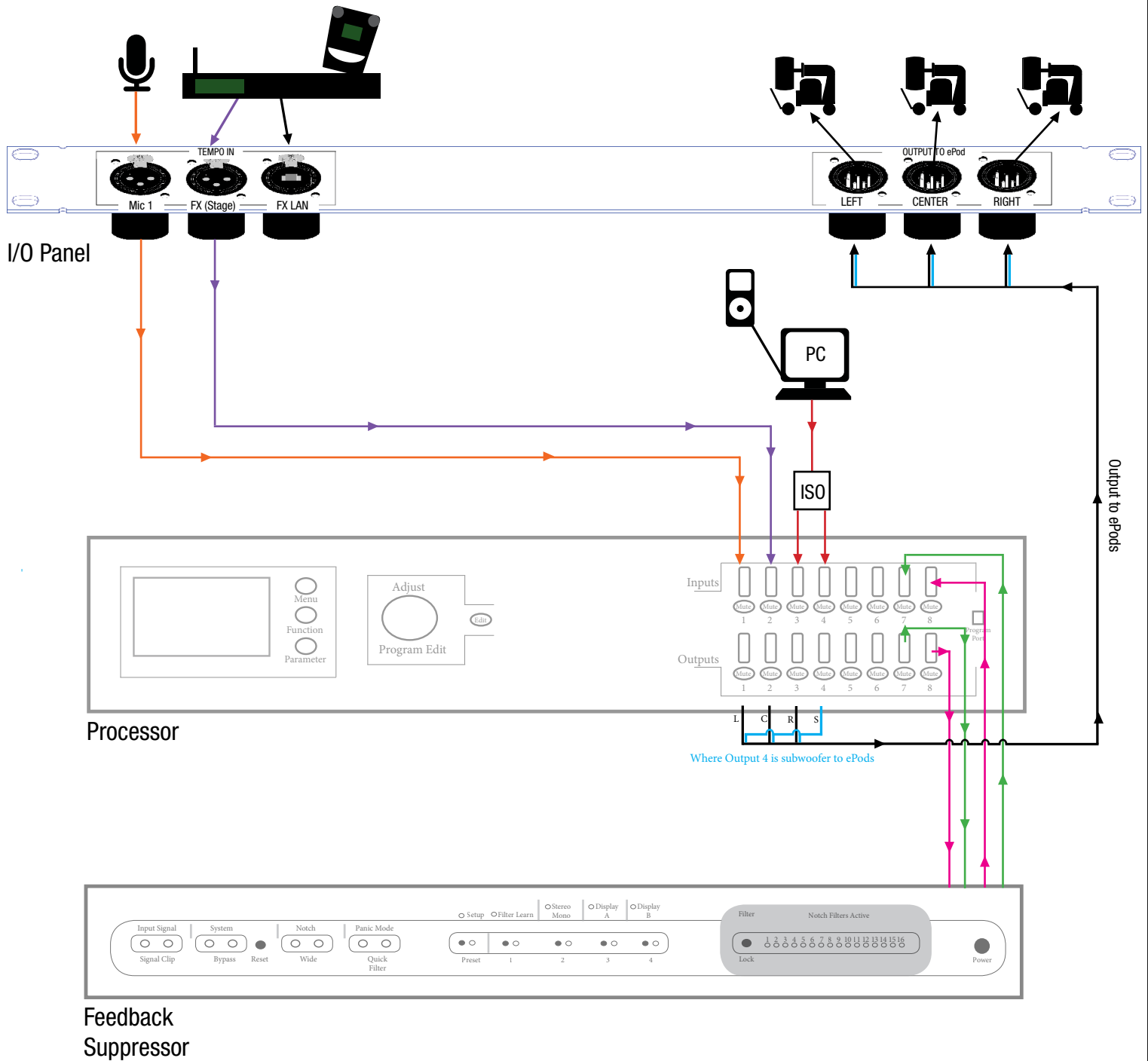|	
Wheelbase:	50.5 in.
Track (Center-to-Center of Wheels):	26.25 in.
Length:	71 in.
Width:	32 in.
Height :	66 in.
Weight:	Approx. 685 lb.
Ground Clearance:	6.5 in.
Turn Radius:	174 in.
Maximum Left to Right Tow Bar Angle:	± 35°
Up and Down Tow Bar Angle (During Tow):	-5° to 20°
Maximum Operational Speed:	5 mph
Tire Type:	Flat-free, non-marking
Tread:	Turf
Power Requirements:	120 V dedicated AC circuit for three-prong, 15 amp u-ground Edison plug. Only one Tempo Master allowed per circuit.
Power Cable Length:	150 ft.
Audio Cable Length:	200 ft.
Battery Backup:	Yes, Uninterruptible Power Supply

ePod

Wheelbase:	50.5 in.
Track (Center-to-Center of Wheels):	26.25 in.
Length:	71 in.
Width:	32 in.
Height:	
Travel Ready	71 in.
Deployed	8 ft.
Weight:	Approx. 800 lb.

Ground Clearance:

    Travel Ready   6.5 in.

    Deployed   2 in.

Turn Radius:	174 in.
Maximum Left to Right Tow Bar Angle:	± 35°
Up and Down Tow Bar Angle (During Tow):	-5° to 20°
Maximum Operational Speed:	5 mph
Tire Type:	Flat-free, non-marking
Tread:	Turf
Power Requirements:	120 V dedicated AC circuit for three-prong, 15 amp u-ground Edison plug. Only one eVenue ePod allowed per circuit.
Power Cable Length:	150 ft.
Audio Cable Length:	200 ft.
UPS:	Yes, Uninterruptible Power Supply
Maximum Forward/Rear Incline:	10°
Maximum Right/Left Incline:	10°
Maximum Deployable Incline:	less than 10°
Audio Coverage:	90° horizontal, 70° vertical
Frequency Response:	50 Hz to 20 kHz ± 3 dB
Amp Protection:	Multi-stage system limiting and protection
Amp Total Power Output:	4000 watts

Product Support and Warranty

CoachComm offers product support from 8:00 a.m. to 5:00 p.m. Central Time, Monday through Friday. Depending on the details of your maintenance/support plan, you may have access to CoachComm's after-hours support line (800-749-2761). CoachComm, LLC support and service personnel are ready to help you with any issues you may have. All questions and/or requests for a Return Authorization Number should be directed to the Customer Service Department:

Customer Service Department
CoachComm, LLC
Voice: 800-749-2761 or 334-321-2300
Fax: 866-793-SERV (7378) or 334-821-0397
customer.service@coachcomm.com

Sending Equipment for Repair or Maintenance

Do not send any equipment directly to the factory without first obtaining a Return Material Authorization (RMA) Number. Obtaining a Return Material Authorization Number will ensure that your equipment is handled promptly. In addition, CoachComm personnel may provide a Service Request Form (SRF) for you to complete and return with your equipment.

If a CoachComm Customer Service or Support representative directs you to send equipment to us for repair or maintenance, all shipments of CoachComm products should be made via UPS, or the best available shipper, prepaid and insured. The equipment should be shipped in the original packing carton; if that is not available, use any suitable container that is rigid and of adequate size to surround the equipment with at least four inches of shock-absorbing material. All shipments should be sent to the following address and must include a Return Material Authorization Number:

CoachComm, LLC Customer Service Department
Attn: Return Material Authorization #
205 Technology Parkway Auburn, AL 36830-0500

Product returns should follow this same procedure.

Warranty Information

Limited Warranty CoachComm, LLC products are warranted to be free from defects in materials and workmanship for a period of one year from the date of sale to the end user. Depending on the details of your maintenance/support plan, you may have a product maintenance agreement with additional coverage.

The sole obligation of CoachComm, LLC during the warranty period is to provide, without charge, parts and labor necessary to remedy covered defects appearing in products returned prepaid to CoachComm, LLC. This warranty does not cover any defect, malfunction, or failure caused by circumstances beyond the control of CoachComm, LLC, including but not limited to unreasonable or negligent operation, abuse, accident, failure to follow instructions in the Operating Manual, defective or improper associated equipment, attempts at modification and/or repair not authorized by CoachComm, LLC, inbound shipping, and shipping damage. Products with their serial numbers removed or effaced are not covered by this warranty. This limited warranty is the sole and exclusive express warranty given with respect to CoachComm, LLC products. It is the responsibility of the user to determine before purchase that this product is suitable for the user's intended purpose. ANY AND ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY ARE LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY. NEITHER COACHCOMM, LLC NOR ANY DEALER WHO SELLS EVENUE PRODUCTS IS LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.

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