

# Outdoor Cinema Operating Instructions

## The System should comprise: -

### **Projection Flight case - Containing:**

Epson EB-G7000 Projector  
Crown XLi-800 Amplifier  
Denon DN500BD Blu-Ray DVD player  
Australian Monitor Mixer  
Sennheiser EW100 Radio microphone receiver

### In the storage drawer:

Denon remote for DVD player  
Epson remote for Projector  
Sennheiser radio microphone

### **2 x Loudspeakers - EV ZLX15 with cover**

### **Storage Trunk with removable tray - Containing:**

Air Screen 4.8m - C/W Inflatable Frame & Screen surface  
Blower  
3 x Bags with straps etc.  
2 x Speaker Cable - 25m  
1 x Mains Cable - 5m  
2 x Speaker Stands

## Note:- If the system is being used for the first time –

**Plan where the screen will be located and how it will be tethered.**

**Plan the cable runs and where the mains supply will come from.**

**Check the radio microphone frequency is compatible with any other radio microphones in use on the site.**

**Allow plenty of time and assistance to familiarise yourselves with the setting up and operating.**

# Setting up

**NOTE:- If high winds or rain are forecast, it may not be possible to set up or operate the cinema equipment. Remember to observe electrical safety at all times and always use a mains supply that is protected by a Residual Current Circuit Breaker. None of the equipment is water proof and should be protected from moisture at all times. Should the equipment get wet at any time, it should be checked by a qualified engineer before using.**

## Screen

Follow the instructions provided by the screen manufacturer. Be sure to tether the screen securely using all the required straps etc.

Using 2 people, wheel the Trunk to the screen location, open the lid and lift out the top tray.

Check the screen inflation area for sharp stones etc. that could damage the screen.

Using 2 people, lift the screen from the trunk. Locate the white projection surface, and ensure this is going to be upward, so as not to get it dirty. Unfold the inflatable screen and lay on the ground in a clear area.

If it is the first time you are using the screen, you may need to attach the white projection surface using the bungee cords. This can be left in place for future times.

Inflate the screen using the Blower and erect as per the manufacturers instructions. Be sure to tether the screen securely using all the required straps etc.

## Loudspeakers

Locate to each side of the screen, the loudspeaker stands. Set the stands so the speakers will be about head height for a seated person. Spread the legs of the stands as wide as they will go, for maximum stability. Be sure to insert the locking pin in case someone should try to accidentally release the locks.

Using 2 people, remove the covers from the loudspeakers and lift the loudspeakers onto the stands. Ensure the stand goes deep into the stand mounting socket. There is a small screw adjacent to the socket to prevent the speaker from twisting. Loosen this if required. Tighten the screw with your fingers to prevent the speaker from twisting. Do not over tighten.

Connect the loudspeaker cables, one to the rear of each loudspeakers. Using either socket is fine. Insert the Speakon plug and twist to the right until it clicks to lock. To release, hold back the silver clip and twist to the left.

Route the loudspeaker cables back to the projection location. Cover or use gaffa tape as required to prevent people from tripping.

### **Projection System Case**

Locate the projection system case center-on to the screen and about 7 to 10 meters back.

Remove the front and rear covers from the case and point the projector lens side towards the screen. You can lock the wheels of case once you have the correct position.

Connect the loudspeakers and mains power lead to the sockets at the rear of the case - (equipment side).

Remove the lens cap from the projector and place in the storage drawer.

To the top of the flight case are two flexible LED lights. Buttons on the top of each light allow you to cycle through brightness levels and then off.

Note: Do not cover the flight case whilst the projector is operational as it needs as a good air flow to the fans. Air is drawn in through the side vents of the flight case and out through the vent to the front of the projector.

# **Operating**

With the mains power turned on, check all items of equipment are switched on.

The storage drawer will hold the remote controls, instructions booklets, microphone etc.

## **Projector**

Ensure the lens cap is removed from the projector.

Press the power 'ON' button on the rear of the projector once. After a couple of seconds, the fan will start and the projector will slowly come up to full brightness.

If you need to turn the projector off, always use the Standby button. Pressing it once, a message will display on the screen 'do you want to turn off' Press the Standby button again to acknowledge. Wait until the projector shuts off before disconnecting the power.

Once the projector is on, a blank blue screen will be visible. Point the system case towards the screen, and if required, move it backwards or forwards to get the picture to fill the entire screen. This will be about 7 to 10 meters from the screen. Now use the Epson Remote control to set up the picture in terms of image position, Zoom and Focus. You can press the 'Test Pattern' button on the remote control to display a suitable image.

Image position - The projector should be roughly level in the case. Two locking knobs to the underside of the projector frame allow it to be tilted backwards if required. The projector has a lens shift function that physically moves the lens. You should not need to use the digital Keystone feature found on lesser projectors. Press 'Lens Shift' on the remote control then hold the Up or Down arrow buttons and watch the picture slowly move up or down until it is located on the screen.

Zoom – Press 'Zoom' on the remote control then hold the Left or Right arrow buttons to increase or decrease the image size until it completely fills the screen. You may need to physically move the projection case nearer or farther away from the screen. You can lock the wheels of case once you have the correct position.

Focus – Press 'Focus' on the remote control then hold the Left or Right arrow buttons to bring the image in perfect focus.

You may need to repeat the lens shift, zoom, or focus several times as they interact with each other as you adjust them.

Note: There is nothing worse than an image that doesn't properly fill the screen!

Press the 'Esc' button to quit the lens functions and remove the test pattern.

## **Amplifier**

Ensure the middle power button is pressed in and the blue power LED is illuminated. Ensure both Level knobs are turned fully up - fully to the right. When the system is playing, the 'Signal' LEDs will flash to show an audio signal is present. Ensure the Red 'Clip' LEDs don't ever come on. If so, reduce the signal levels, as you could damage the loudspeakers. Occasionally check this during operation, as loud peaks in the film levels may occur.

## **Mixer**

Ensure the mixer is powered ON using the switch to the far right. Ensure the 4 mixer level knobs are turned fully down for now, the BASS & TREBLE should be set to center, and the MASTER level to about number 6.

## **Radio Microphone**

The radio microphone system is the same type used on all Away Resorts sites, and you should be familiar with these. If this is the first time you are using the system, check the frequency being used on this system is different to any others you may have on site. Re-tune as required.

Ensure the radio microphone receiver is turned ON - the display will be illuminated. Press the power button if required.

Remove the Hand-held radio microphone from the drawer.

Ensure the MIC channel on the mixer is turned down (to the left) before powering on the microphone.

Ensure the batteries are good - you may have left the microphone on from last time and they may be flat!

Press the red power button on the base of the microphone and hold until its display comes on. If all is well, the MUTE symbol on the receiver display will go out.

Speak in to the microphone and slowly increase the MIC level on the mixer to suit.

## **Playing music from your Phone**

Ensure the JACK channel on the mixer is fully down for now - to the left. Connect the JACK lead to your phone or device. Set some music playing and slowly increase the JACK channel level on the mixer. You may need to adjust the volume level

on your Phone, especially if the system won't go loud enough, or its very loud or distorted.

### **Playing a DVD**

Ensure the DVD player is switched on.

Ensure the DVD channel on the Mixer is fully down for now - to the left.

Using the remote control for the projector select the DVI-D input. After a couple of seconds, the DVD screen should display.

Insert a DVD or BluRay disc into the player and press play if required. The disc should load and the disc menu should come up on the projection screen. Use the Denon remote control to navigate the disc menu as required.

Slowly increase the DVD channel level on the Mixer to set the required sound level. Check the Amplifier to ensure the Red 'Clip' LEDs don't ever come on. If so, reduce the signal levels, as you could damage the loudspeakers. Occasionally check this during operation, as loud peaks in the film levels may occur at some points.

Adjust the Bass & Treble controls on the Mixer to ensure the dialogue is intelligible.

Navigate past the menus etc. and up to the start of the film and press pause before the audience come in, for a more professional show!

### **Connecting a Laptop or other device via HDMI**

Ensure the HDMI channel on the Mixer is fully down for now - to the left.  
Connect the HDMI lead to your laptop

Using the remote control for the projector select HDMI. After a couple of seconds, your laptop screen should display. You may need to press a function key on your Laptop to get the laptop to display via its HDMI.

Audio from the laptop is usually sent via the HDMI signal so there should no need to use the JACK lead for sound.

Set a video playing full screen on the laptop and slowly increase the HDMI channel level on the Mixer. You may need to adjust the volume level on your Laptop. Especially if the system won't go loud enough, or its very loud or distorted. Check the Amplifier to ensure the Red 'Clip' LEDs don't ever come on. If so, reduce the signal levels, as you could damage the loudspeakers. Occasionally check this during operation, as loud peaks in the film levels may occur.

## **Packing Away**

Be sure to power down the projector by pressing the Standby on the rear button once. A message on the screen will display 'do you want to turn off' Press the standby button again to acknowledge. Wait until the projector shuts off before disconnecting the power.

Fit the projector lens cap.

Check any DVD's have been removed from the player.

Turn down both levels on the amplifier to prevent a loud thump from the loudspeakers at power down.

Switch off and disconnect the mains supply and loudspeakers – Hold back the silver clip on the connector and twist to the left.

Ensure the hand-held radio mic is off.

Ensure all remotes etc. are returned to the storage drawer.

Fit the front and rear flight case covers.

Neatly coil the loudspeaker and power cables and return them to the Trunk's top tray.

Check the screen deflation area for sharp stones etc. that could damage the screen.

Using 2 people, deflate the screen using the Blower as per the manufacturer's instructions. You may leave the projection surface in place. Fold the screen neatly and compactly so as it will fit back into the Trunk. Ensure the projection surface does not get dirty on the ground. If the ground was damp, be sure to clean and dry the screen before folding and storing.

Using 2 people, lift the screen into the trunk.

Using 2 people, lift the loudspeakers from the stands and fit the covers.

Collapse the loudspeaker stands and return them to the trunk.

Return all other parts, blower, cables etc. to the Trunk.