



# INSTALLATION AND OPERATION MANUAL

# AM10SUB

## IMPORTANT SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquid such as vases shall be placed on the apparatus.
16. Plug this apparatus to the proper wall outlet and make the plug to be disconnected readily operable.
17. Mains plug is used as disconnected device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
18. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
19. An appliance with a protective earth terminal should be connected to a mains outlet with a protective earth connection.
20. The apparatus should be disconnected from the mains completely before speaker wiring. The speaker output should be proper protected from direct contact and pay attention to speaker connections, terminals and speaker wiring during normal operation.



## PRÉCAUTIONS DURANT UTILISATION

1. LISEZ ces instructions.
2. Tenez ces instructions.
3. Notez tous les avertissements.
4. Suivez toutes les avertissements.
5. N'utilisez pas ce produit près de l'eau (la piscine, la plage, le lac, etc.).
6. Nettoyez seulement avec une étoffe sèche.
7. Ne bloquez aucuns trous de ventilation. Installez en accord avec les instructions du fabricant.
8. N'installez près aucunes sources de chaleur comme radiateurs, registres de chaleur, fours ou les autres équipements (y compris amplificateurs) qui produisent la chaleur.
9. Ne défaites pas le but de sécurité de la fiche polarisée ou base-type. Une fiche polarisée a deux tranchants avec un plus large que l'autre. Une fiche de base type a deux tranchants et une troisième pointe de base, le tranchant large ou la troisième pointe est fourni pour votre sécurité. Si la fiche donnée ne conforme pas votre prise de contact, consultez un électricien pour remplacement de la prise de contact obsolète.
10. Protégez le cordon de secteur contre être marchée dessus ou pincez en particulier aux fiches, aux douilles de convenance, et au point où ils sortent de l'appareil.
11. Seulement utilisez attachements/accessoires spécifiés par le fabricant.
12. Utilisez seulement avec un chariot, un stand, un trépied, un support ou une table indiquée par le fabricant, ou vendue avec l'appareil. Quand un chariot est utilisé, faites attention en déplaçant la combinaison d'appareil/chariot pour éviter de se déséquilibrer.
13. Arrachez la fiche du dispositif durant éclair et orage ou quand pas utilisé pour longues périodes de temps.
14. Référez au personnel qualifié de service pour toutes réparations. La réparation est donnée quand le système a été endommagé à n'importe façon, par exemple un fil ou une fiche endommagé(e) de la source d'alimentation. Avoir été exposé à pluie ou humidité, n'opère pas normalement, ou avoir été tombé.
15. L'appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu'un vase, ne doit être placé sur l'objet.
16. Branchez l'appareil à une source appropriée et faire que la prise à débrancher soit facilement accessible.
17. La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation. Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.
18. **AVERTISSEMENT:** Pour éviter le risque d'incendie ou de chocs électriques, ne pas exposer cet appareil à la pluie ou à l'humidité.
19. Un appareil avec la borne de terre de protection doit être connecté au secteur avec la connexion de terre de protection.
20. Assurez-vous que l'appareil est hors tension avant de connecter les hauts parleurs. Vérifiez que la sortie des enceintes soit protégées contre un contact physique. Respecter les polarités des terminaux ainsi que le câblage des enceintes pendant le fonctionnement afin d'assurer une utilisation sécurisée.





# AM10SUB

Introducing the AM10SUB, a dual coil 10 inch bandpass low frequency enclosure. The product is designed to work inclusively with our FLEX and QuickFit speaker series products.

The AM10SUB features an internal crossover and simple wall mount bracket system which allows the cabinet to be wall mounted in horizontal or vertical orientations. Connection of the sub and satellite speakers is simple and cost effective via a single or dual channel low impedance amplifier. Add that all important punch to program material in Retail, Gyms, Cafes and many other commercial audio environments.

<b>Introduction</b>	<b>3</b>
<b>Connections</b>	<b>4</b>
<b>Mounting</b>	<b>5</b>
<b>Dimensions</b>	<b>6</b>
<b>Specifications</b>	<b>7</b>

Revision 1.0: Mar 2018

## WARNING!

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THE PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT & FULLY INSERT.

## CAUTION

THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



**WARNING:**  
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

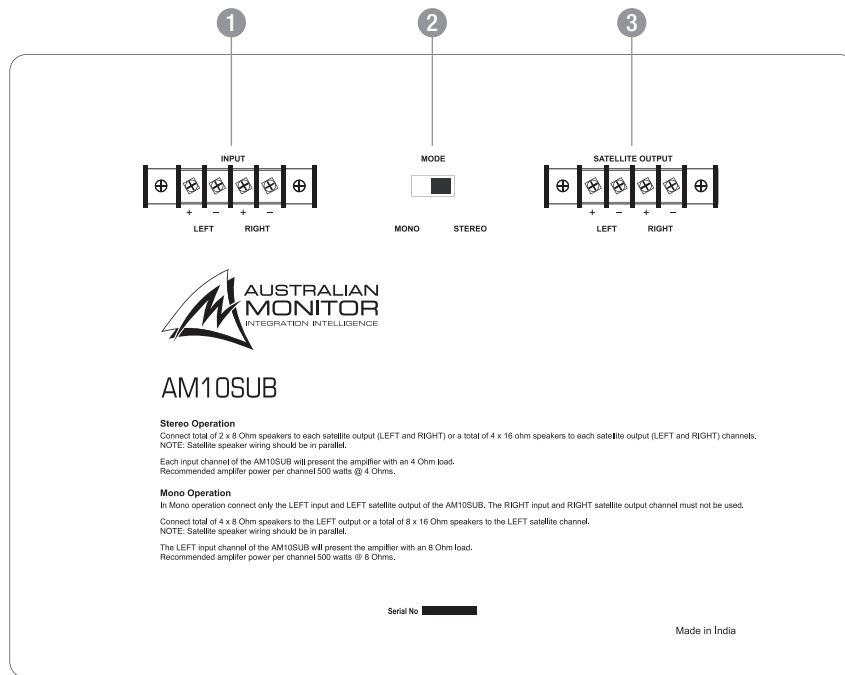


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



For European Union countries: This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. Please contact your local authority for further details of your nearest designated collection point.

Rating plate and caution marking are marked on the back enclosure of the apparatus



## 1 Input Connection Terminals

Connect a low impedance amplifier to these terminals. Take note the of configuration of the AM10SUB. In mono mode only, the left input should be connected. In stereo mode both the left and right inputs should be connected.

The recommended amplifier power requirements are:

- Mono Mode 500 – 700 watts @ 8 Ohms (Left channel only)
- Stereo Mode 500 – 700 watts @ 4 Ohms ( Power per each left and right channels)

## 2 Mode Switch

This switch operates the AM10SUB between mono and stereo mode. In mono mode the dual voice coil driver is wired in series and presents the amplifier with a single 8 ohm load. In stereo mode each driver voice coil is wired directly to the input terminals presenting amplifier channels with 4 ohm loads.

**NOTE:** In mono only the left input and left output should be used. Connecting the right input or output channels of the AM10SUB in mono mode could cause failure of the AM10SUB speaker driver and or damage to the connected amplifier.

## 3 Satellite Connection Terminals

Connect your low impedance mid/hi speakers to these terminals. Take note of the operation mode of the AM10SUB. The mode will decipher how many mid/hi speakers you are able to connect.

Maximum Satellite speaker load	8 Ohm Mid/Hi Speakers	16 Ohm Mid/Hi Speakers
Stereo Mode	2 x 8 ohm speakers on each channel	4 x 16 ohm speakers on each channel
Mono Mode	4 x 8 ohm speakers on LEFT channel only	8 x 16 ohm speakers on LEFT channel only

**NOTE:** All satellite speakers should be wired together in parallel configuration.



**⚡ WARNING:** When mounting the AM10SUB the following safety issues must be considered:

- The mounting of a permanently installed speaker may be dangerous unless undertaken by a qualified professional with relevant experience.
- Walls and mounting surfaces must be capable of supporting the speaker and bracketry in a safe and secure manner.
- All fixings must be safely attached to the speaker cabinet and the mounting surface. All fixings must be installed in accordance with the manufacturer's instructions and specifications.

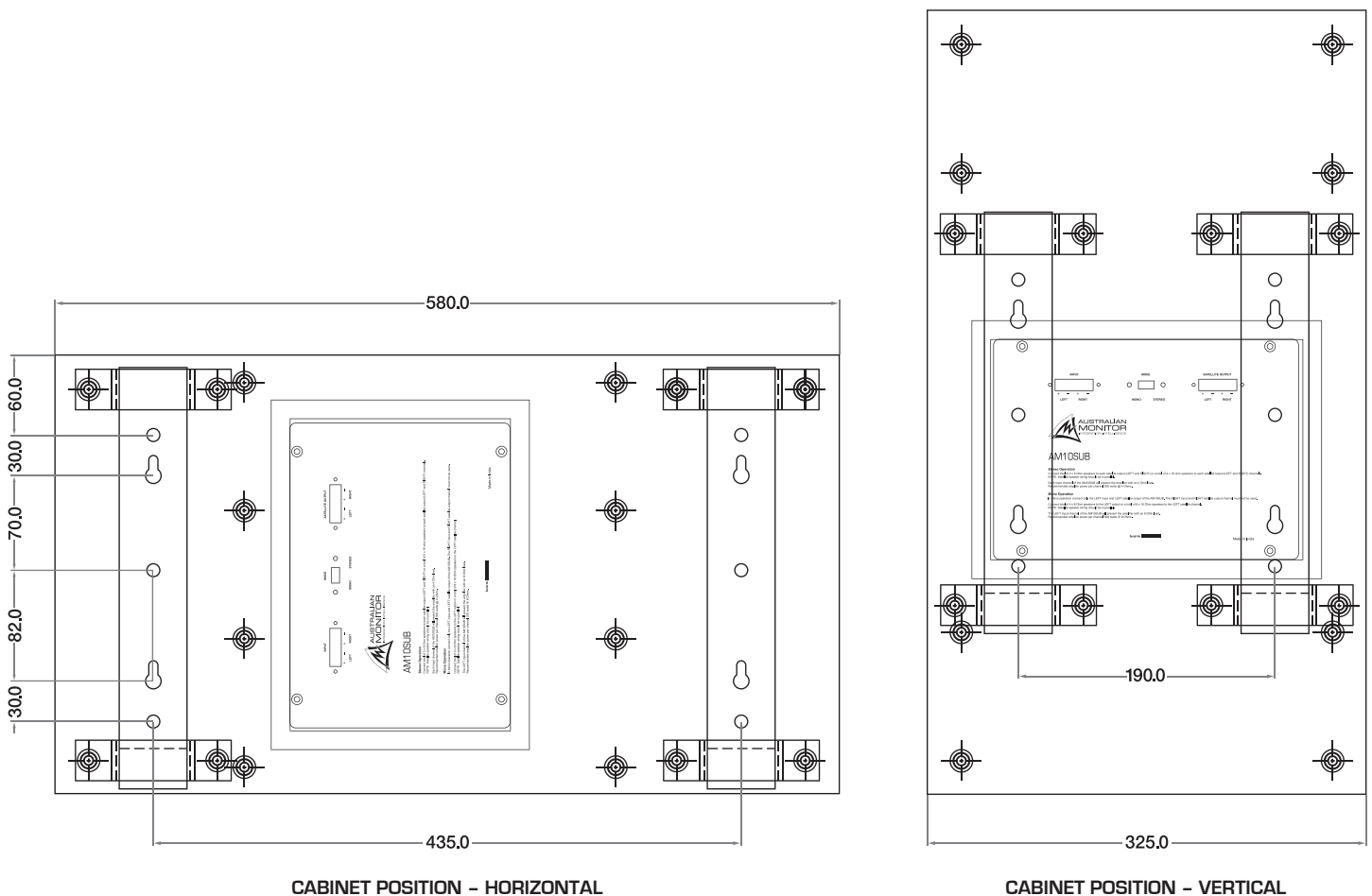
## WALL MOUNT BRACKETS

The AM10SUB is supplied with 2 wall mounting brackets. The bracket system allows the AM10SUB to be wall mounted in both vertical and horizontal orientations.

Ensure suitable fasteners are used to anchor the bracket to chosen wall surface. Take note of bracket dimensions and spacing as per Fig 1.

Take note of bracket mount positions on the back of the AM10SUB cabinet (Fig 1). You will need to relocate the mount positions on the cabinet depending on mounting orientation.

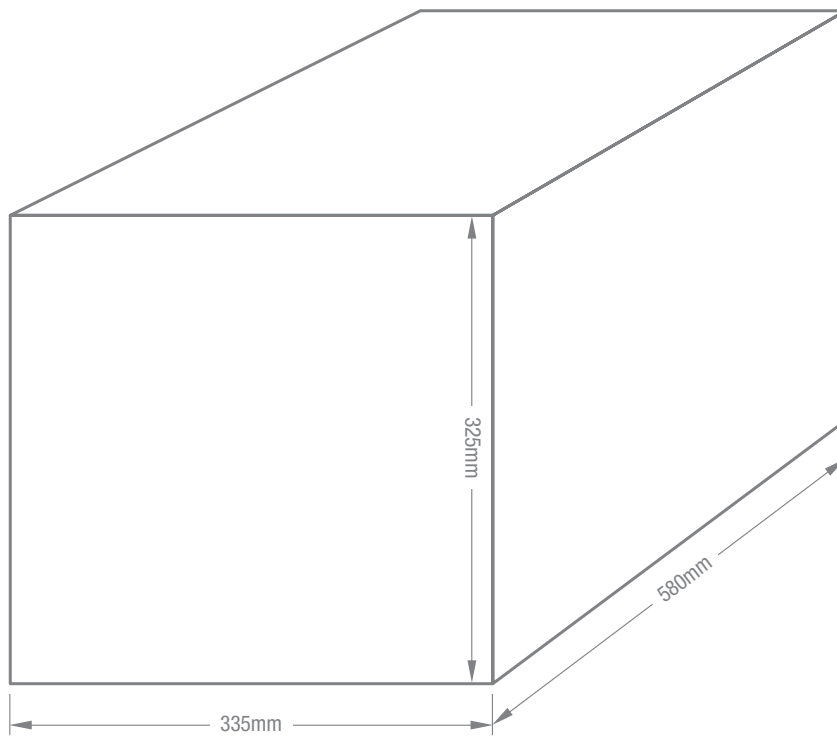
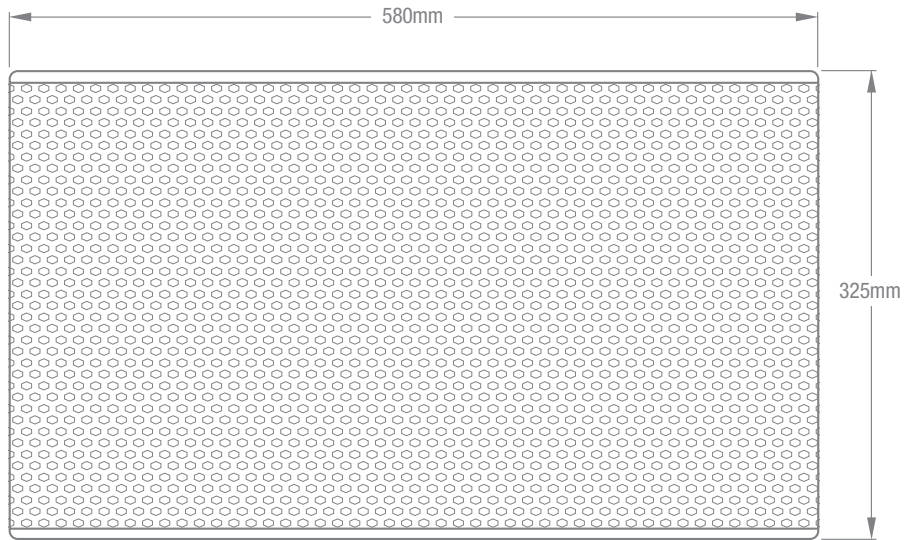
When brackets are in place on the wall connect the input and output wiring and slide the cabinet down on to fixed wall brackets.



measurements in mm



## DIMENSIONS





Speaker Driver	10 inch dual voice coil
Impedance (Nominal) Stereo Operation	4 ohms per channel
Impedance (Nominal) Mono Operation	8 Ohms LEFT channel only
Sensitivity (1W / 1M)	91dB SPL
Calculated Maximum SPL	121dB peak
Power RMS	300 watts per voice coil
Recommended Amplifier Power (Stereo Mode)	500–700 watts @ 4 ohms per channel
Recommended Amplifier Power (Mono Mode)	500–700 watts @ 8 ohms LEFT channel only
Frequency Response	49Hz–200Hz
HF Crossover	150 Hz first order high pass
Connections	Screw Terminal
Cabinet Construction	15mm MDF
Net Dimensions L x H x D	580 x 325 x 335 mm
Net Weight	19.9 Kg
Shipping Dimensions L x H x D	685 x 535 x 513 mm
Shipping Weight	24.2 Kg

