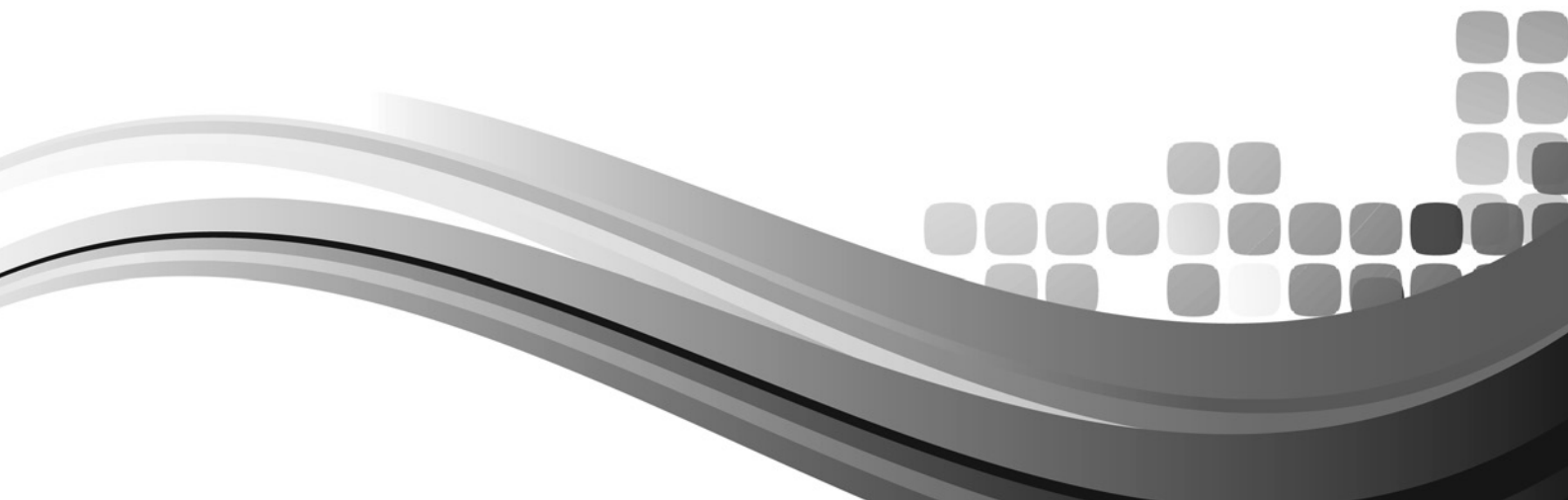




INSTALLATION AND OPERATION MANUAL

AMIS MP8

8 ZONE MONITOR PANEL



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.





MP8

The Australian Monitor Installation Series MP8 is a 2 RU monitoring panel that allows you to monitor any of up to 8, constant voltage or low impedance speaker lines.

This can be done via the on-board 2.5" monitor speaker or via the 8 segment VU meter. The MP8 also provides signal present LED's for each amplifier as well as LED's to indicate which amplifier is currently selected for monitoring.

The MP8 operates from either an AC/DC 12V-24V plug pack or via 24 VDC & boasts ample label space.

We thank you for choosing Australian Monitor Installation Series and, as with all our products, the MP8 contains many clever features and is contractor friendly.

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AUS, EUR, USA
Rev D: Oct 2014

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.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

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.

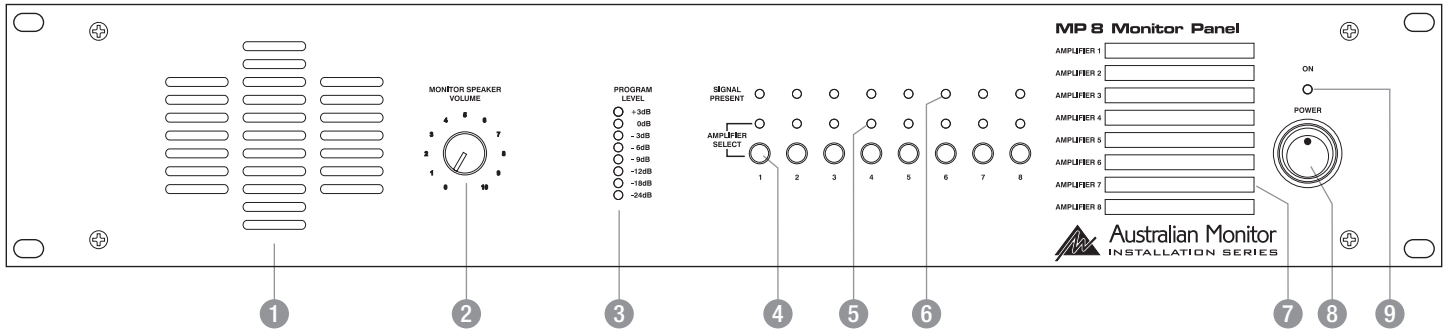


For European Union countries: This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical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



FRONT PANEL



1 Monitor Speaker

A 2.5" speaker is located behind a cloth grille. No cleaning is required.

2 Monitor Speaker Volume Control

This knob controls the volume level of the monitor speaker.

NOTE: The Speaker Volume Control does not affect the level of the VU indicator nor does it affect the amplifiers or speaker lines that are connected to the MP8.

3 VU Meter

This meter indicates the output level of the currently selected amplifier. The 0dB level is referenced to 100V. This is an RMS meter, not a peak meter.

4 Selector Switches

These switches select which amplifier is connected to the monitor and meter circuits. The switches are mechanical interlocking push buttons, meaning that when one button is pushed, the previously selected switch is mechanically deselected.

5 Select Indicator

This LED indicator will illuminate to show which amplifier is selected for monitoring.

6 Signal Present

This LED will light dimly when the signal from the corresponding amplifier reaches approximately -24dB (6.3Vac) indicating signal is present and will get progressively brighter with increased signal level.

NOTE: Signal present indication is irrespective of which amplifier is selected. This indicator is a passive circuit across the amplifier input and will indicate signal across each speaker line even when the MP8 is not powered.

7 Labels

This area is available to custom label the zones each amplifier is driving.

8 Power Switch

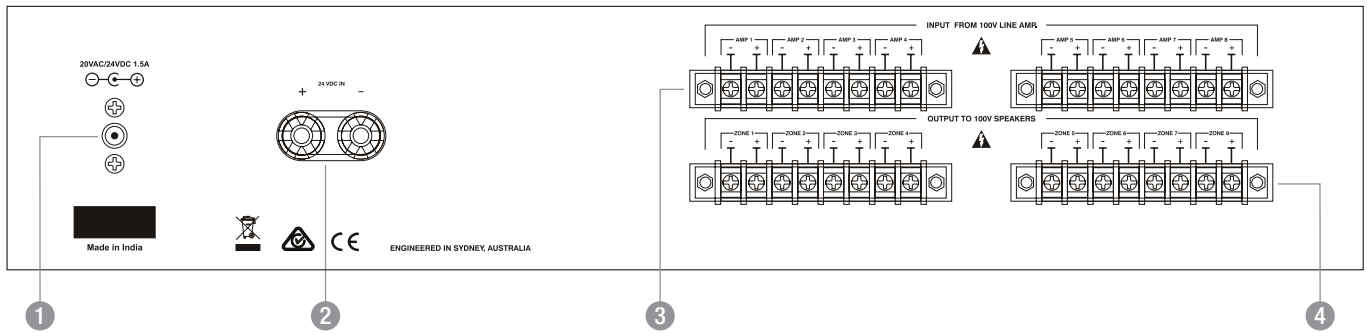
This switch switches power from the AC/DC plug pack input.

NOTE: When using 24VDC IN terminals the unit is on regardless of switch position.

9 Power On LED

This indicates there is power to the unit.

NOTE: When using 24VDC IN terminals the power LED will always be on.



1 Power Socket

This 2.1mm socket accepts AC or DC voltage between 12V and 24V. For DC, tip is positive.

2 24VDC In Binding Posts

These binding posts provide connection for 24V emergency systems and is not switched by the front panel power switch. The 24VDC IN does not provide trickle charge facility.

3 Input Terminal Strip

Paired connection from each amplifier in the system. The label AMP 'X' corresponds with AMPLIFIER 'X' on the selector switches.

4 Output Terminal Strip

Paired connection to each zone speaker distribution, wired in parallel with input terminal strip.

NOTE: The terminal lug accepts wire gauges from AWG22 (0.75mm) up to AWG16 (1.5mm). Each terminal is rated at 15A/300VAC.

NOTE: The MP8 will accept input from both constant voltage systems and low impedance systems or a mixture of the two.



INSTALLATION

Wiring:

Connect the speaker output of the first amplifier to INPUT terminals labelled AMP 1, maintaining correct polarity. Connect the speaker load for this amplifier to OUTPUT terminals labelled ZONE 1. Repeat for additional amplifiers and speaker loads. Always use appropriate cable for amplifier to MP8 and MP8 to speaker wiring.

Power Requirements:

The MP8 can operate on the supplied plug pack and/or separate 24V DC power supply.

NOTE About Grounding: It may be necessary in some circumstances to ground the MP8 to eliminate noise from the monitor speaker. This can be done using the negative terminal of the 24VDC IN binding post or by making sure that the chassis is electrically connected to the equipment rack (which should be grounded).

NOTE About Speaker Isolation: When a zone is selected for monitoring it is isolated from the other amplifiers by 1kohm resistors. The negative input is also AC referenced to chassis ground with a capacitor.



The SIGNAL PRESENT LEDs give a continuous indication of the signal from each of the eight connected amplifiers. Note that very low levels may not be detected.

To monitor a particular amplifier, SELECT the desired amplifier. The listening level may be adjusted using the MONITOR SPEAKER VOLUME. The PROGRAM LEVEL meter gives accurate indication of signal from the selected amplifier.

NOTE About Monitoring: It should be noted that adjusting the monitor speaker level control does not effect the sound level in the selected zone and nor do the level indications indicate the SPL of the speakers in any zone. The MP8 should be used to monitor an amplifiers output signal quality and presence only and as such, it does not reflect the condition of the actual sound output in any speaker zone.

Setting The Level

The monitor speaker level has been designed to accept a wide range of program levels. Distortion may occur in the MP8 if the speaker volume control is set too high while the amplifier is producing a high output, as indicated by the program level meter. Check the setting of the level control and reduce if necessary. If distortion is still present, then check amplifier operation and affected speaker lines.

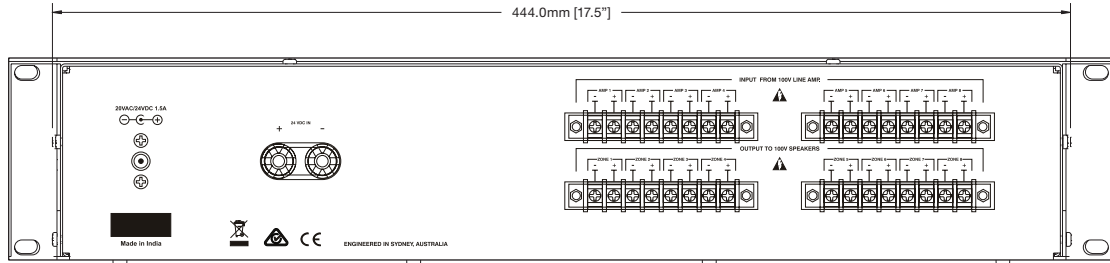
Switching The Monitored Zone

It is possible to select 2 amplifiers at once and monitor them simultaneously, however, this is not recommended. Fusible isolation protection exists to protect both the external amplifiers and the MP8.

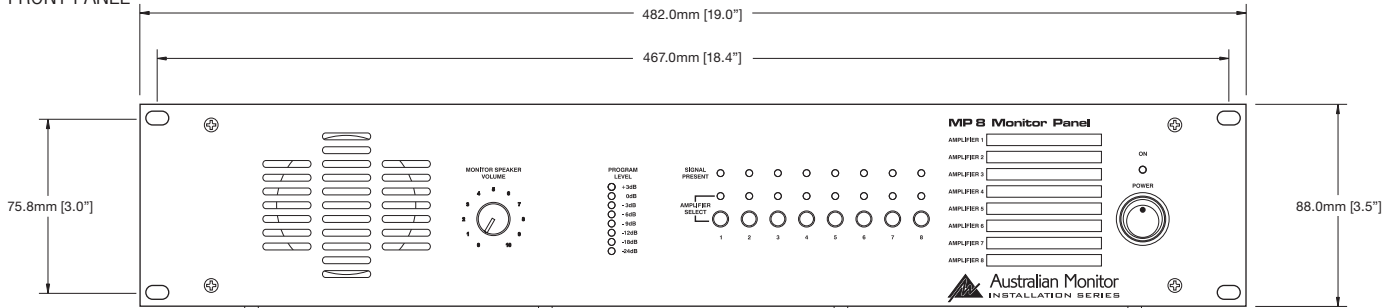


DIMENSIONS

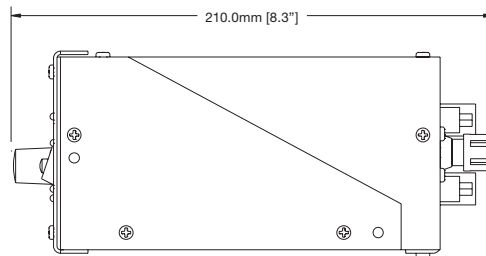
REAR PANEL

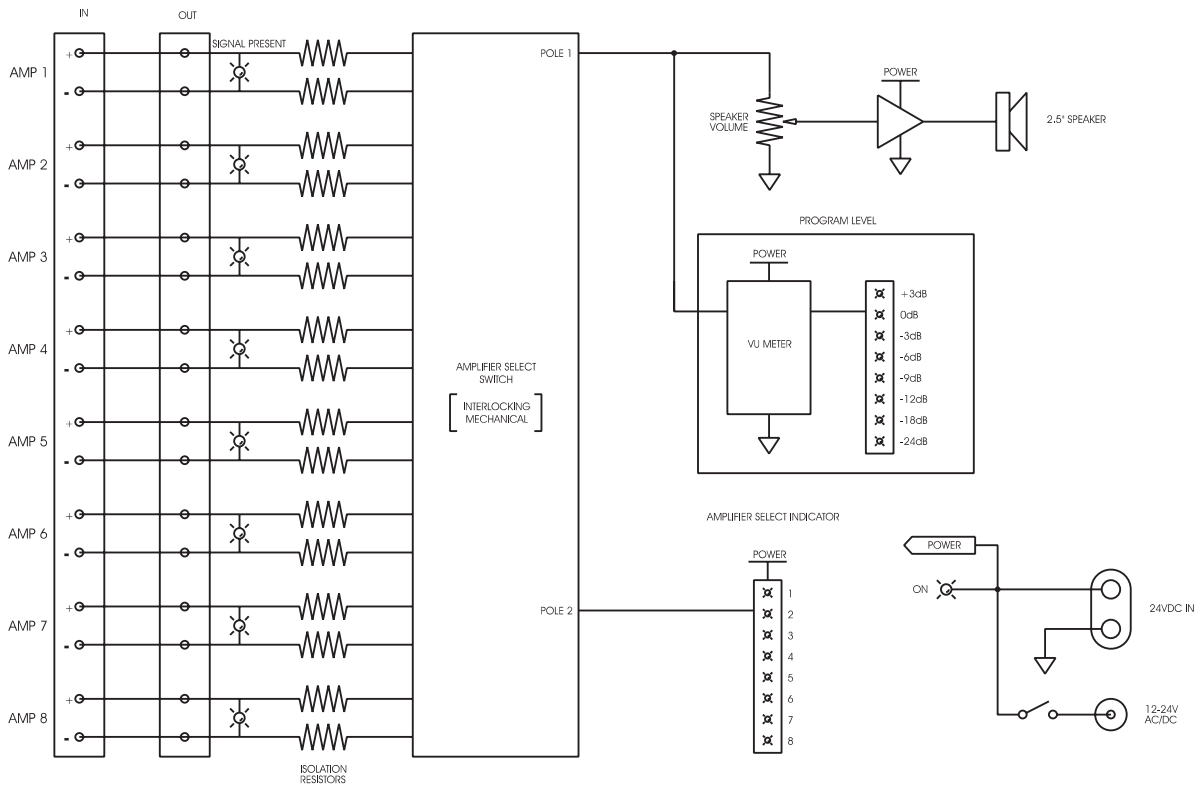


FRONT PANEL



SIDE PANEL







SPECIFICATIONS

MONITOR VOLUME LEVELS	Input for Max speaker output (10% THD) (Ref 100V) Pot @ 1: -6dB Pot @ 5: -14dB Pot @ 10: -27dB
CROSSTALK	-72dB @ 1kHz -53dB @ 10kHz
SIGNAL PRESENT THRESHOLD	-24dB (6.3Vrms)
METER REFERENCE	0dB 100Vrms rms meter
SPEAKER TERMINAL CABLE	AWG22 (0.75mm) to AWG16 (1.5mm)
POWER INPUT	12-24V DC 1.5A via 2.1mm x 5.5mm barrel socket
POWER CONSUMPTION (Max)	8VA
STANDING CURRENT (ALL VOLTAGES)	DC 40mA AC 85mA
MAXIMUM CURRENT	12VDC 150mA 24VDC 225mA 16VAC 350mA
DIMENSIONS (W x D x H)	482mm x 210mm x 88mm (19" x 8.3" x 3.5")
SHIPPING DIMENSIONS (W x D x H)	505mm x 325mm x 116mm (19.9" x 12.8" x 4.6")
WEIGHT	
Net Weight	4kg (8.8lb)
Shipping Weight	5.4kg (11.9lb)



ENGINEERED BY AUSTRALIAN MONITOR

Address: Level 7, 130 Pitt Street, Sydney NSW 2000 Australia.

Website: www.australianmonitor.com.au International enquiries email: international@australianmonitor.com.au