



AMPLIFIERS

CA-AM10900 CA-AM20350 CA-AM20650 CA-AM40700 CA-AM41200

AMPLIFIER SPECIFICATIONS

	CA-AM10900	CA-AM20350	CA-AM20650	CA-AM40700	CA-AM41200
Peak Power (Watts)	900	350	650	700	1200
Frequency Response	15Hz - 185Hz	10Hz -100kHz	10Hz -100kHz	10Hz -100kHz	10Hz -100kHz
Dimensions (mm)	267(l) x 230(w) x 49(h) 10-1/2 x 9-1/16 x 1-15/16"	267(l) x 230(w) x 49(h) 10-1/2 x 9-1/16 x 1-15/16"	377(l) x 230(w) x 49(h) 14-27/32 x 9-1/16 x 1-15/16"	377(l) x 230(w) x 49(h) 14-27/32 x 9-1/16 x 1-15/16"	457(l) x 230(w) x 49(h) 18 x 9-1/16 x 1-15/16"
Power Ratings	300W RMS x 1 @ 4Ω 1% THD+N, 480W RMS x 1 @ 2Ω 1% THD+N	55W RMS x 2 @ 4Ω 1% THD+N, 85W RMS x 2 @ 2Ω 1% THD+N, 175W RMS x 1 @ 4Ω Bridged 1% THD+N	115W RMS x 2 @ 4Ω 1% THD+N, 170W RMS x 2 @ 2Ω 1% THD+N, 340W RMS x 1 @ 4Ω Bridged 1% THD+N	50W RMS x 4 @ 4Ω 1% THD+N, 80W RMS x 4 @ 2Ω 1% THD+N, 160W RMS x 2 @ 4Ω Bridged 1% THD+N	110W RMS x 4 @ 4Ω 1% THD+N, 150W RMS x 4 @ 2Ω 1% THD+N, 300W RMS x 2 @ 4Ω Bridged 1% THD+N

INSTALLATION GUIDELINES

1. Ensure the +12V lead is disconnected from the battery before you connect any new equipment.
2. Ensure the mounting location will not interfere with the gas tank, brake lines or electrical wiring.
3. Ensure the Amplifier is securely fastened to the vehicle to prevent damage in the event of an accident.
4. Ensure all wiring is protected to avoid pinching or crushing which could result in damage to the audio system.
5. Ensure the mounting location has sufficient air flow around the amplifier. If the amplifier is mounted in an enclosed space a 3" fan with ducting should be used to aid in air flow.
6. Do not mount any amplifier on a subwoofer enclosure as extended exposure to vibration may cause malfunction of the amplifier.
7. Ensure you use the recommended gauge wire/cable for all amplifier connections.

WIRING

Ensure the audio system is turned off before making any connections to the amplifier, speakers or source unit.

Failure to do so could result in permanent damage to the audio system. When wiring the FUSION amplifier ensure that the cable is protected from sharp objects and always use rubber grommets when wiring through metal panels.

Ensure all terminals and connections are protected from the vehicle chassis and from each other as failure to do so could result in permanent damage to the audio system.

POWER

FUSION amplifiers should be connected directly to the +12V battery terminal with an inline fuse or circuit breaker as close to the battery as possible.

GROUND

When grounding/earthing your amplifier ensure that the location is a good source of ground (preferably the floor pan). Make sure the metal is clean of paint etc as a poor earth could damage your audio system.

REMOTE TURN ON

This connection turns the amplifier on and should be connected to the remote turn on wire from the Head Unit. If one is not available a switched 12v source must be used. Either a power antenna wire or ACC +12V.

LOW LEVEL INPUTS

Choose the correct length RCA interconnects and run them to the RCA outputs of the source/head unit, avoiding running beside other looms and or power cable.

LEVEL CONTROL

This control is used to match the input level of the amplifier to the output level of you head unit. We recommend the following method.

1. Turn the amplifier level to zero
2. Turn the volume of the head unit to ¾ and the bass and treble to zero
3. Adjust the level control until the desired maximum volume is achieved without distortion.
4. Failure to follow these steps may cause permanent damage to the audio system.



RECOMMENDED AMPLIFIER INSTALLATION KITS

FUSION recommends the following Amplifier Installation Kit to be used with our Amplifiers

CA-AM10900	AC- AK04E	4 Gauge Installation Kit
CA-AM20350	AC- AK08E	8 Gauge Installation Kit
CA-AM20650	AC- AK04E	4 Gauge Installation Kit
CA-AM40700	AC- AK04E	4 Gauge Installation Kit
CA-AM41200	AC- AK04E	4 Gauge Installation Kit

RECORD YOUR PURCHASE DETAILS HERE:

SERIAL NUMBER

DATE OF PURCHASE

AFFIX RECEIPT HERE

CROSSOVER TABLE

Model	Channels	Crossover Type	Crossover Frequency	Bass Boost
CA-AM10900	All	Fixed - LPF	LPF Selectable - 80Hz or 180Hz	Selectable - 0dB or 12dB
CA-AM20350	All	Selectable - LPF, HPF, or FULL	LPF Selectable - 80Hz or 180Hz HPF Fixed - 80Hz	Selectable - 0dB or 12dB
CA-AM20650	All	Selectable - LPF, HPF, or FULL	LPF Selectable - 80Hz or 180Hz HPF Fixed - 80Hz	Selectable - 0dB or 12dB
CA-AM40700	Front	Selectable - HPF or OFF	HPF Fixed - 80Hz	None
	Rear	Selectable - LPF or OFF	LPF Fixed - 180Hz	Selectable - 0dB or 12dB
CA-AM401200	Front	Selectable - HPF or OFF	HPF Fixed - 80Hz	None
	Rear	Selectable - LPF or OFF	LPF Fixed - 180Hz	Selectable - 0dB or 12dB

TROUBLE SHOOTING

Problem

Amplifier not switching on.
Power LED not 'on'.

Possible Reason

- No +12V to power wire
- No power to remote wire
- Fuse broken

Solution

- Check fuses and connections to battery
- Check remote on connections to head unit
- Replace fuse with correct type and amperage

Amplifier not working,
but Power LED is 'on'

- Fuse on amplifier blown
- Amplifier too hot

- Replace fuse with correct type and amperage
- Move amplifier to vented area
- Turn head unit down
- Check that there are no speaker wires shorted to another wire or to the vehicle chassis

No Sound

- RCA Signal
- Gain control not set up
- Head Unit
- Amplifier
- Speakers

- Check RCA connection to head unit
- Ensure you have set up the amplifier gain level control
- Check head unit volume level
- Check all power, remote on and ground connections
- Check speakers for wire shorts

For further product and installation information, please visit www.fusionelectronics.com

Pour plus d'informations sur les produits et l'installation, rendez-vous sur www.fusionelectronics.com

Para obtener más información acerca de los productos y de su instalación, visite el sitio web www.fusionelectronics.com

Bezoek www.fusionelectronics.com voor meer product- en installatie-informatie.

Weitere Produkt- und Installationsinformationen finden Sie unter www.fusionelectronics.com

Per ulteriori informazioni sui prodotti e la loro installazione, potete visitare www.fusionelectronics.com

Для получения дополнительной информации о продуктах и установке зайдите, пожалуйста, на: www.fusionelectronics.com

WARNING: Audio Systems can produce sound levels over 135dB. Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss! Please watch for emergency vehicles as warning signals may not be heard. USE COMMON SENSE!



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