

 **MEMBER™**

RACING PRODUCTS



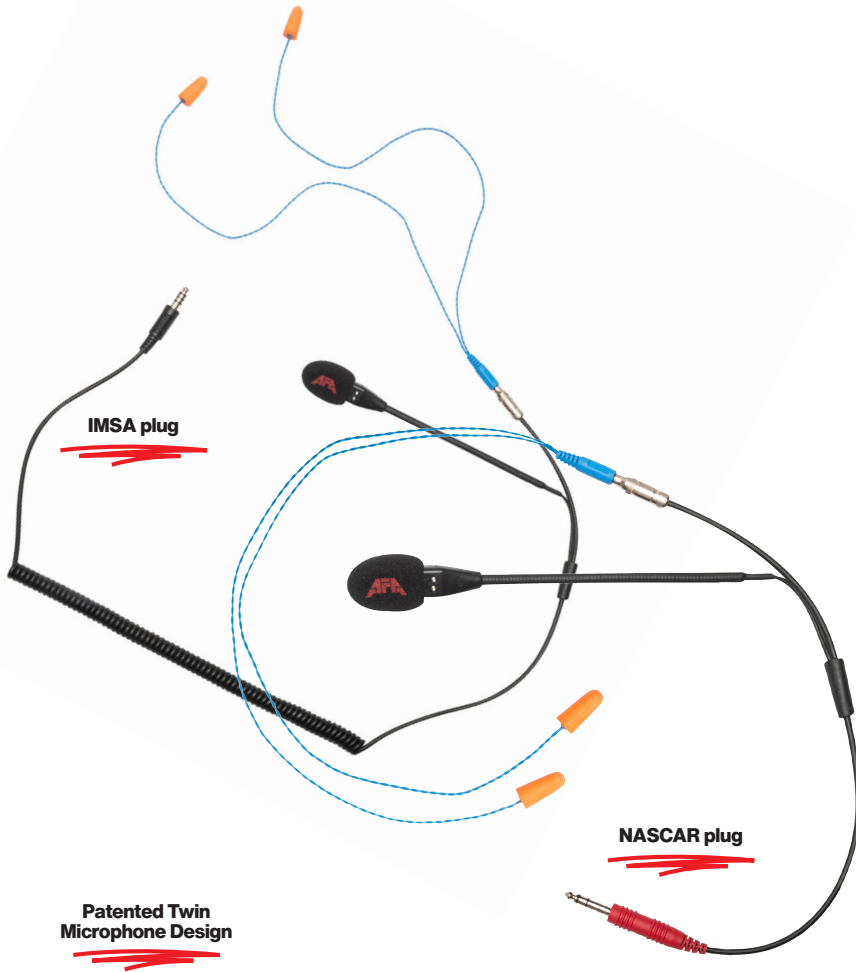
CLEAR WHEN IT COUNTS

Patented Twin Microphone
Noise Cancelling Technology
For Digital Two-Way Radio Devices

www.afaccessories.com.au

Racing Helmet Kits

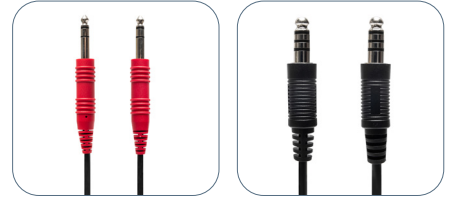
Designed with safety in mind and incorporating our Twin Microphone Technology.



AFA Racing Helmet Kits cut through the noise and send clear voice in the loudest environments

- NASCAR or IMSA plug options.
- Rugged boom and cable design.
- Equipped with the AFA ELM03 Microphone capsule.
- Earbuds included
- Supercharge your Two-Way Radios
- Clear when it counts.
- Improves Digital.

Note: Two-Way Radios may require audio setting adjustments when paired with AFA Products. Contact AFA or your trusted Two-Way Radio Supplier for programming information.



Specifications			
Microphone One Pattern	Omnidirectional	Frequency	100 Hz - 20,000 kHz
Sensitivity f=1 kHz, 1 Pa, 0dB = 1 V/Pa	Min -45dB Typ -42dB Max -39dB	Signal to Noise Ratio	81 dB SNR
Microphone Two Pattern	Omnidirectional	Total Harmonic Distortion	0.0038% THD
Sensitivity f=1 kHz, 1 Pa, 0dB = 1 V/Pa	Min -45dB Typ -42dB Max -39dB	Operating Temperature	-20 - 70 °C
Operating Voltage	3.3V	Case Material	ABS Plastic
Voltage Range	2 V - 10 V	Boom Type	Flexible
Maximum Current Consumption @ 5V	0.001mA	Jack (male)	IMSA or NASCAR Jack (female)
Output Impedance	2.2 kΩ	Jack (female)	3.5mm 2 Pole

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The AFA 1000 Series

Heavy Duty Headset



Equipped with the Twin Microphone AFA ELM-03 Microphone Capsule. The AFA 1000 Series Heavy Duty Headset is the ideal solution for Motorsport, Construction, or Manufacturing.

XLR 5 Pin QDC Cable with in-line PTT Available for all major Brands and Models of Two-Way Radio

Improve the performance of your Two-Way Radios

Note: Two-Way Radios may require audio setting adjustments when paired with AFA products. Contact AFA or your trusted Two-Way Radio Supplier for programming information.

Patented Twin Microphone Design

Heavy Duty Push To Talk Button Action

Specifications Microphone			
Microphone One Pattern	Omnidirectional	Output Impedance	2.2 kΩ
Sensitivity f=1 kHz, 1 Pa, OdB = 1 V/Pa	Min -45dB Typ -42dB Max -39dB	Frequency	100 Hz - 20,000 kHz
Microphone Two Pattern	Omnidirectional	Signal to Noise Ratio	81 dB SNR
Sensitivity f=1 kHz, 1 Pa, OdB = 1 V/Pa	Min -45dB Typ -42dB Max -39dB	Total Harmonic Distortion	0.0038% THD
Operating Voltage	3.3V	Operating Temperature	-20 - 70 °C
Voltage Range	2 V - 10 V	Case Material	ABS Plastic
Maximum Current Consumption @ 5V	0.001mA		
Specifications Headset			
Boom Type	Flexible	Colour	Carbon Fibre Print
Headband	Padded and Adjustable	Switch	Red PTT Button ABS Plastic
Plug	XLR 5 Pin		
Specifications Speakers			
Size O/D	50mm	Sensitivity	94dB±10% Watt @0.5 Metres
Weight	14.8 Grams	Resonance Freq	(FO) 680Hz+20%
Magnet	Ferrite 20.5mm x 4.5mm	Frequency Range	100Hz - 3000Hz
Impedance	32 Ohms ±15% @ 1kHz	Distortion	5% Max @ 1kHz/1mW/1cm
Power Rating	Normal 30mW Max 100mW		



ABOUT US



Speaker vs Microphone Noise Cancellation

Most people are familiar with speaker-based noise cancelling technology that is a common feature of many headsets today, but what about noise cancellation at the microphone?

That's where AFA comes in.

Starting in the Digital Two-Way Radio Space, and with safety in mind. AF Accessories took on the challenge and made it their goal to find a better microphone solution.

Our Patented Twin Microphone Technology enables mission critical voice communications in the loudest environments. Improving levels of safety and productivity for all end users.

Welcome to the Future.

AF Accessories Pty. Ltd.

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