



ANDREA



Andrea Electronics Corporation

DA-350 Array Microphone Product Portfolio

**DIGITAL NOISE CANCELLING AUTOMOTIVE ARRAY MICROPHONES
FOR HANDS FREE IN-VEHICLE COMMUNICATIONS**



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About the DA-350 Array Microphone Technology

- Cancels background noises using Andrea's patented Digital Super Directional Array (DSDA®) adaptive beam forming algorithm technology and Andrea's patented PureAudio™ noise reduction algorithm for eliminating repetitive and defused noise within the desired speech signal.
- Ideal for achieving superior voice intelligibility and accuracy of Automatic Speech Recognition (ASR) system performance in high noise environments.
- Automotive Standard EMI and environmental testing certified and in-vehicle tested and approved for Police and Emergency vehicles.



[Click here to listen to an example of Andrea's Digital Noise Cancelling Technology](#)

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DA-350 Array Microphone For In-Car PC Use

- Andrea's Standard DA-350 Model is the ideal solution for in-vehicle PC Voice Input.
- Whether dictating reports or running a license plate through a speech recognition program on the in-vehicle PC, typing is no longer required as the DA-350 picks up clear voice signal for all demanding speech applications.

Market Application:

- Mobile Computing

Microphone Options:

- 3.5mm Plug or USB Audio Adaptor
- Cable Assembly for Hardwired Power or Optional Cigarette Adaptor
- Optional external reference signal input for siren echo cancellation



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DA-350 PTT (Push-To-Talk) Array Microphone For Radios

- Andrea's DA-350 PTT Model is the ideal solution for in-vehicle Radio Communications.
- The DA-350 PTT works with a center console or steering wheel button that enables communication through the in-vehicle radio while "pushing to talk".
- Hands Free! Eliminates the need for one handed driving while operating a hand held radio device.
- Provides clear communications to dispatchers and other radio personnel, eliminating background noises.
- Offers stealth radio use for surveillance vehicles.

Market Application:

- Police/Emergency Vehicle Radios

Microphone Options:

- Hardwired into a push to talk center console or steering wheel button
- Optional external reference signal input for siren echo cancellation



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DA-350 PTT Array Microphone For Multiple Radios

- Andrea's DA-350 PTT Multi Radio Model allows operators to easily switch between Radios with a rotary switch.
- Allows operators to use one microphone for multiple radios.

Market Application:

- Police/Emergency Vehicles with Multiple Radios

Microphone Options:

- Options will vary to meet the needs of the specific applications



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DA-350 PTT Array Microphone For PC & Radio Use

- Andrea's DA-350 PTT for PC & Radio Use Model allows operators to easily switch between Hands Free PC Communications and Radio Communications.
- Dual buttons allow operators to choose which device they are communicating with, providing the best of both worlds for PC and Radio use!

Market Applications:

- Police/Emergency Vehicle Radios
- Mobile Computing

Microphone Options:

- Options will vary to meet the needs of the specific applications



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Automotive Hands Free Laws

Allowing Law Enforcement Officers to Follow the Law

Distracted Driving Laws as of December 2013:

Hand-held Cell Phone Use:

- 12 states, D.C., Puerto Rico, Guam and the U.S. Virgin Islands prohibit all drivers from using hand-held cell phones while driving. Beginning in October 2013, all laws will be primary enforcement—an officer may cite a driver for using a hand-held cell phone without any other traffic offense taking place.

All Cell Phone Use:

- No state bans all cell phone use for all drivers, but 37 states and D.C. ban all cell phone use by novice drivers, and 20 states and D.C. prohibit it for school bus drivers.

Text Messaging:

- Washington was the first state to pass a texting ban in 2007. Currently, 41 states, D.C., Puerto Rico, Guam and the U.S. Virgin Islands ban text messaging for all drivers. All but 4 have primary enforcement.
- An additional 6 states prohibit text messaging by novice drivers.
- 3 states restrict school bus drivers from texting.



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Benefits of the DA-350 Product Line

- Allows law enforcement officers and emergency vehicles to operate safely using Andrea's DA-350 Array Microphone with the best noise cancelling technology available.
- Provides dispatch with the high intelligibility required when receiving communication from a high noise environment. Transmission delays and errors are eliminated.
- Permits law enforcement officers and emergency vehicle operators the ability to follow the laws they are enforcing, while keeping them safer at the same time!
- Currently in use with:
 - Houston Police
 - California Highway Patrol
 - Rockwell Collins iForce Mobile Computing System
 - Royal Canadian Mounted Police
 - University of New Hampshire Project 54



For More Information on Andrea Electronics' DA-350 Products:

Please feel free to call one of our Array Microphone Specialists at (800) 442-7787

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