



INDOOR AIR QUALITY

PRODUCT GUIDE

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Nu-Calgon



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IWAVE AIR IONIZATION SYSTEMS

[Click for more info on iWave](#)

IWAVE-C AIR IONIZATION SYSTEM | 4900-10

iWave-C is a self-cleaning, bi-polar ionization generator for actively treating a building's air quality that does not require replacement parts in a year or two like competing UV lights or other ionizer technologies. In addition, the iWave-C produces and maintains unparalleled ionization output and capabilities. As the air flows past the iWave-C, the device emits positive and negative ions that actively treats the supply air, reducing certain bacteria and viruses in the coil and living space. The ionization process also reduces smoke and static electricity, as well as controlling odors (cooking, pet, VOCs) and other particles (no more sunbeams) in the air. iWave-C is validated to meet UL 867 ozone requirements.



Although suitable for residential applications, the original iWave-C is specially designed for light commercial systems up to 12 tons (4800 CFM) with no maintenance or replacement parts needed. iWave-C can be easily duct-mounted indoors or outdoors, depending on the application. iWave-C always works at peak performance, producing over 200 million ions/cc per polarity (400 million total ions/cc), making it superior to other market approaches. Special features include a programmable self-cleaning cycle, waterproof housing, digital display (for on-site visual monitoring) and integral alarm contact (for remote monitoring). In the event the ion emitters become damaged or wear out (after years of service), they can be replaced on the iWave-C model.

FEATURES

- Needlepoint ionization actively treats air in homes and buildings
- Duct-mount install for systems up to 12 tons (4800 CFM)
- Includes waterproof housing for installation indoors or outdoors
- Multi-Voltage input –24VAC-240VAC
- Reduces certain bacteria and viruses
- Validated to meet UL 867 ozone requirements
- Reduces odors, smoke, static electricity and other airborne particles
- Keeps coil cleaner
- OEM Approved
- 3-Year limited warranty

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IWAVE AIR IONIZATION SYSTEMS

[Click for more info on iWave](#)

IWAVE-R AIR IONIZATION SYSTEM | 4900-20

With technology installed in over 200,000 applications, iWave-R is the world's first self-cleaning, no maintenance needlepoint bi-polar ionization generator designed specifically for treating air in residential duct A/C systems. As the air flows past the iWave-R, positive and negative ions actively treat the supply air, reducing certain bacteria and viruses in the coil and living space. The ionization process also reduces smoke and static electricity, as well as controlling odors (cooking, pet, VOCs) and other particles (no more sunbeams) in the air. iWave-R is validated to meet UL 867 ozone requirements.

iWave-R treats the air in any brand of residential duct air conditioning systems up to 6 tons (2400 CFM) in size with no maintenance and no replacement parts. Designed for universal mounting, the iWave-R is easy to install inside or outside of duct, or can be attached magnetically near the indoor fan in the air handler. Simply connect to power using its patented multi-voltage input capability. Mount the iWave-R

after the return filter. The iWave-R can be mounted before the coil if the primary concern is treating the coil. If the primary concern is treating the occupied space, then the iWave-R should be installed on the supply side of the coil. In regions with high humidity, it is always recommend being installed on the supply side of the coil. iWave-R always works at peak performance, producing over 160 million ions/cc per polarity (320 million total ions/cc), more than any other ionizer product on the market. Its patent-pending self-cleaning design includes a programmable cleaning cycle that can clean the emitter brushes every 1, 3, 5 or 10 days. The iWave-R is factory set to clean every third day which is adequate for a typical installation.



FEATURES

- Patented self-cleaning design ensures ongoing peak performance
- Needlepoint ionization actively treats air in the living space
- For duct systems up to 6 tons (2400 CFM)
- Easily installs in minutes in A/C system
- Multi-Voltage input – 24VAC to 240VAC
- Validated to meet UL 867 ozone requirements
- Universal mounting with magnets
- OEM Approved
- 3-Year limited warranty

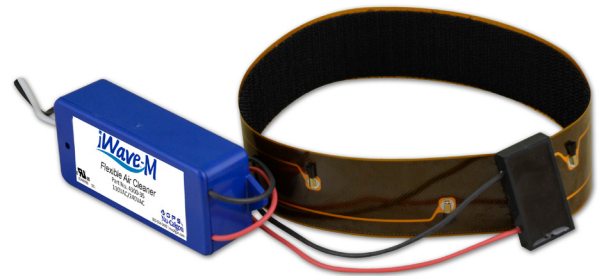
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IWAVE AIR IONIZATION SYSTEMS

[Click for more info on iWave](#)

IWAVE-M AIR IONIZATION SYSTEM | 4900-35

iWave-M is a flexible ion-generating bar that can treat IAQ in nearly any HVAC application. The air purifier provides the highest level of ionization energy in the most compact size available in the market, producing 35 million ions/cc. The highly versatile iWave-M is low maintenance with no replacement parts. As the air flows past the iWave-M, the device emits positive and negative ions that treat the air, reducing certain bacteria and viruses in the coil and living space. The ionization process also reduces smoke and static electricity, as well as controlling odors (cooking, pet, VOCs) and other particles (no more sunbeams) in the air. iWave-M is validated to meet UL 867 ozone requirements.



iWave-M's revolutionary circuit bar with special integrated ion-generating needles fits any HVAC cooling coil up to 1600CFM. The circuit bar is chemical resistant and highly durable for long service life. Plus, it can be folded to length in the field to any size and uses hook and loop fastener material for the flexible bar and power pack for easy installation. It is perfect for ductless HVAC systems – specifically mini-splits, commercial VRF coils, PTAC systems – plus residential and commercial duct systems, packaged systems, and even transport cooling coils. The iWave-M is the most versatile and novel product on the market to address air quality for any HVAC system, in particular to solve indoor air quality issues common in hard-to-clean ductless systems.

FEATURES

- Patented self-cleaning design ensures ongoing peak performance
- Needlepoint ionization actively treats air in the living space
- For duct systems up to 6 tons (2400 CFM)
- Easily installs in minutes in A/C system
- Multi-Voltage input – 24VAC to 240VAC
- Validated to meet UL 867 ozone requirements
- Universal mounting with magnets
- OEM Approved
- 3-Year limited warranty

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IWAVE AIR IONIZATION SYSTEMS

[Click for more info on iWave](#)

IWAVE-V AIR IONIZATION SYSTEM | 4900-40

With the technology installed in over 200,000 applications worldwide, iWave-V is a low-maintenance, bi-polar, high-output ion generator designed specifically for treating air in residential duct A/C systems (but could be used in other air conditioning applications). As the air flows past the iWave-V, positive and negative ions actively treat the supply air, reducing certain bacteria and viruses in the coil and living space. The ionization process also reduces smoke and static electricity, as well as controlling odors (cooking, pet, VOCs) and other particles (no more sunbeams) in the air. iWave-V validate to meet UL 867 ozone requirements.



iWave-V treats the air in residential duct air conditioning systems up to 6 tons (2400 CFM) in size (or other appropriate A/C applications). Designed for universal mounting, the iWave-V typically is easy to install inside or outside of duct, or can be attached magnetically near the indoor fan. Install the iWave-V in the airflow after the return filter. The iWave-V can be mounted before the coil if the primary concern is treating the coil. If the primary concern is treating the occupied space, then the iWave-R should be installed on the supply side of the coil. * In regions with high humidity, it is always recommend being installed on the supply side of the coil.

FEATURES

- Needlepoint ionization actively treats air in the living space
- For systems up to 6 tons (2400 CFM)
- Installs in minutes with universal mounting options and integrated magnets
- Small compact design with no replacement parts
- Reduces certain bacteria and viruses
- Validated to meet UL 867 ozone requirements
- Reduces odors, smoke, static electricity and other airborne particles
- OEM Approved
- 3-Year limited warranty

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NUSHIELD AIR IONIZATION SYSTEMS

[Click for more info on NuShield](#)

NUSHIELD-CI AIR IONIZATION SYSTEM | 4900-50

NuShield-CI is a self-cleaning, bi-polar ionization generator for actively treating a building's air quality that does not require replacement parts in a year or two like competing UV lights or other ionizer technologies. In addition, the NuShield-CI produces and maintains unparalleled ionization output and capabilities. As the air flows past the NuShield-CI, the device emits positive and negative ions that actively treat the supply air, reducing certain bacteria and viruses* in the coil and living space. The ionization process also reduces smoke, odors (cooking, pet, VOCs), as well as other particles (no more sunbeams) in the air. NuShield meets UL 2998 zero ozone emission certification.



Although suitable for residential applications, the NuShield-CI is specially designed for light commercial systems up to 12 tons (4800 CFM) with no maintenance or replacement parts needed. NuShield-CI can be easily internally mounted in any ducted HVAC system. NuShield-CI always works at peak performance, producing over 200 millions ions/cc per polarity (400 million total ions/cc), making it superior to other market approaches. The NuShield-CI includes a self-cleaning cycle, integral alarm contact (for remote monitoring), and patented multi-voltage input.

FEATURES

- Patented self-cleaning design ensures ongoing peak performance
- Needlepoint ionization actively treats air in the living space
- Internal mount install for systems up to 12 tons (4800 CFM)
- Meet's UL 2998 Zero Ozone Emission Certification
- No maintenance for the life of the NuShield
- Easily installs in any ducted HVAC system
- Patented multi-voltage input – 24VAC to 240VAC
- Flexible design with no replacement parts
- Reduces certain bacteria and viruses*
- Reduces odors, smoke and other airborne particles
- Keeps coil cleaner longer
- Integral alarm contact for remote monitoring
- Fully ETL Listed
- CARB certified
- Three-year limited warranty

[LEARN MORE](#)

NUSHIELD AIR IONIZATION SYSTEMS

[Click for more info on NuShield](#)

NUSHIELD-CX AIR IONIZATION SYSTEM | 4900-55

NuShield-CX is a self-cleaning, bi-polar ionization generator for actively treating a building's air quality that does not require replacement parts in a year or two like competing UV lights or other ionizer technologies. In addition, the NuShield-CX produces and maintains unparalleled ionization output and capabilities. As the air flows past the NuShield-CX, the device emits positive and negative ions that actively treat the supply air, reducing certain bacteria and viruses* in the coil and living space. The ionization process also reduces smoke, odors (cooking, pet, VOCs), as well as other particles (no more sunbeams) in the air. NuShield meets UL 2998 zero ozone emission certification.

Although suitable for residential applications, the NuShield-CX is specially designed for light commercial systems up to 12 tons (4800 CFM) with no maintenance or replacement parts needed. NuShield-CX can be easily externally mounted in any ducted HVAC system. NuShield-CX always works at peak performance, producing over 200 millions ions/cc per polarity (400 million total ions/ cc), making it superior to other market approaches. The NuShield-CX includes a self-cleaning cycle, integral alarm contact (for remote monitoring), and patented multi-voltage input.



FEATURES

- Patented self-cleaning design ensures ongoing peak performance
- Needlepoint ionization actively treats air in the living space
- External mount install for systems up to 12 tons (4800 CFM)
- Meet's UL 2998 Zero Ozone Emission Certification
- No maintenance for the life of the NuShield
- Easily installs in any ducted HVAC system
- Patented multi-voltage input – 24VAC to 240VAC
- Flexible design with no replacement parts
- Reduces certain bacteria and viruses*
- Reduces odors, smoke and other airborne particles
- Keeps coil cleaner longer
- Integral alarm contact for remote monitoring
- UL and cUL certified
- CARB certified
- Three-year limited warranty

[LEARN MORE](#)

NUSHIELD AIR IONIZATION SYSTEMS

[Click for more info on NuShield](#)

NUSHIELD-R AIR IONIZATION SYSTEM | 4900-60

With technology installed in hundreds of thousands of applications, NuShield-R is a self-cleaning, no maintenance needlepoint bipolar ionization generator designed specifically for treating air in any ducted HVAC system up to 6 tons. As the air flows past the NuShield-R, positive and negative ions actively treat the supply air, reducing certain bacteria and viruses* in the coil and living space. The ionization process also reduces smoke, odors (cooking, pet, VOCs), as well as other particles (no more sunbeams) in the air. NuShield-R meets UL 2998 zero ozone emission certification.

NuShield-R treats the air in any brand of ducted HVAC system up to 6 tons (2400 CFM) in size with no maintenance and no replacement parts. Designed for universal mounting, the NuShield-R can easily be installed inside of the system using the included hardware or it can be attached using the integrated magnets. Simply connect to power using its patented multi-voltage input capability. Install downstream of the last filter in the HVAC system. Alternate mounting locations are on the supply air duct or the return air duct after the filter. NuShield-R always works at peak performance, producing over 160 million ions/cc per polarity (320 million total ions/cc), more than any other ionizer product on the market. Its patented self-cleaning design includes a programmable cleaning cycle that can clean the emitter brushes every 24 hours. NuShield-R does not create “black walls” as negative-only ionizer products will do.



FEATURES

- Patented self-cleaning design ensures ongoing peak performance
- Needlepoint ionization actively treats air in the living space
- For duct systems up to 6 tons (2400 CFM)
- Meet's UL 2998 Zero Ozone Emission Certification
- No maintenance for the life of the NuShield
- Easily installs in any ducted HVAC system
- Patented multi-voltage input – 24VAC to 240VAC
- Flexible design with no replacement parts
- Reduces certain bacteria and viruses*
- Reduces odors, smoke and other airborne particles
- Keeps coil cleaner longer
- Integral alarm contact for remote monitoring
- Fully ETL listed
- CARB certified
- Three-year limited warranty

[BUY NOW](#)

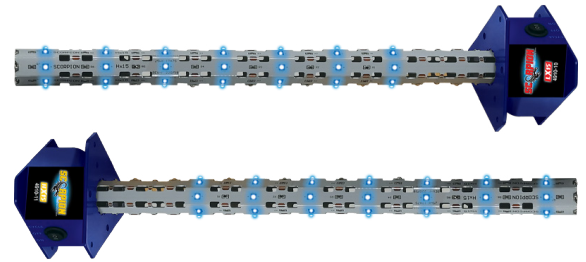
SCORPION SYSTEMS

[Click for more info on Scorpion](#)

SCORPION UVC-LED SYSTEM | 4910-10 & 11

The Scorpion is a UVC-LED disinfection unique system designed for use in residential and light commercial HVAC systems. The LED light has 30,000 hours of run time and with an integrated air flow sensor the Scorpion UVC-LED can last up to 5 times longer than traditional UV bulbs. The Scorpion UVC-LED is designed to kill mold, mildew, bacteria, viruses, and other harmful biological growth in the HVAC system and on the evaporator coil. The system will also help reduce foul and musty odors like dirty sock smell and will even help keep the drain line from clogging due to buildup in the condensate line.

The Scorpion is designed to treat any residential ducted HVAC system with no maintenance for up to 30,000 hours of treatment life. The system can easily be installed using the integrated magnet inside, above, or below the evaporator coil. If the Scorpion is being installed in a system where the magnet cannot be used than use the supplied hardware to mount the Scorpion to your system. The powerful LED light should be installed in a location where it is fully shining on the evaporator coil to provide complete treatment.



FEATURES

- 15" UVC-LED Disinfection System
- Up to 5X the life compared to standard bulbs
- Rugged design with shatterproof LED
- Kills mold, mildew, viruses, and bacteria on and around your HVAC coil
- Stops foul odors like dirty sock smell
- Integrated toggle switch for dual run mode options
- 360 degree design for complete treatment
- Air flow sensor to power only when fan is running
- Easy install with integrated magnet or supplied hardware
- LX15 - Easy 24VAC input voltage on installation / HX15 - Easy 110-277VAC Input voltage on installation
- Optimum 265nm wavelength

Model #	Packaging Size	Additional Info
4910-10 BUY NOW	LX15	24 VAC
4910-11 BUY NOW	HX15	110-277 VAC

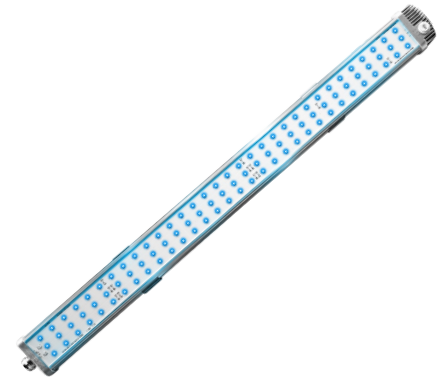
SCORPION SYSTEMS

[Click for more info on Scorpion](#)

SCORPION CX30 UVC-LED SYSTEM | 4910-20

The Scorpion CX30 is a 30" UVC-LED disinfecting system designed for use in commercial HVAC systems. The LED lights have 30,000 hours of run time and with an integrated air flow sensor the Scorpion CX30 can last up to 5 times longer than traditional UV bulbs. The CX30 comes with an integrated 30,000 hour LED timer to notify when a replacement is required. The Scorpion CX30 is designed to kill mold, mildew, bacteria, and other harmful biological growth in the HVAC system and on the evaporator coil. The system will also help reduce foul and musty odors like dirty sock smell and will even help keep the drain line from clogging due to buildup in the condensate line.

Scorpion CX30 is designed to treat any commercial HVAC system with no maintenance for up to 30,000 hours of treatment life. The system can easily be installed using the adjustable mounting brackets and commercial grade magnets. If the Scorpion CX30 is being installed in a system where the magnet can not be used than use the supplied hardware to mount the Scorpion to your system. The powerful LED light should be installed in a location where it is fully shining on the evaporator coil to provide complete treatment.



FEATURES

- 30" UVC-LED Disinfection System
- Advanced commercial grade system
- Over 5X the life compared to standard bulbs
- Rugged design with shatterproof and waterproof LED
- Kills mold, mildew, viruses and bacteria on and around your HVAC coil
- Stops foul and musty odors like dirty sock smell
- Reduces harmful biofilm on the coil and surrounding area
- Integrated mode switch for two run modes
- Air flow switch to power only when system is running
- 30,000 hour LED timer to notify when replacement is needed
- Easy install with adjustable mounting brackets
- Commercial grade magnets included
- 208-480VAC high voltage installation
- Optimum 265nm wavelength for germicidal capabilities
- Meet's UL 2998 zero ozone emission certification

Model #	Packaging Size	Additional Info
4910-20 LEARN MORE	CX30	208-480 VAC



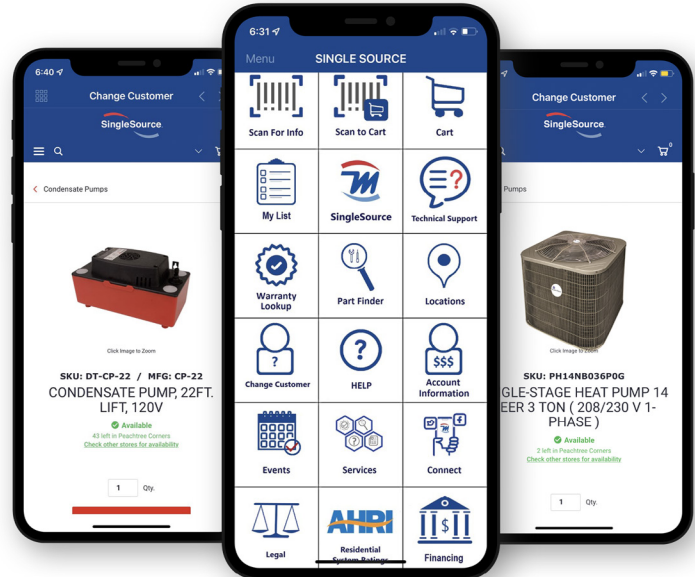
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- Attach purchase order numbers to web orders and keep your jobs organized under your account
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- Upload your orders as spreadsheets
- Search order history fast and easy

MOBILE ACCESS

- Built for desktop, mobile and tablet compatibility
- Optimized for any device to drive your business on the go
- Search local inventory based on your geolocation

RELIABILITY & CONTROL

- Tested to enhance your business work-flow
- Create admin accounts for your employees based on their role and control their individual access

LOGISTICS

- Know what you're getting, where it's coming from, and when you'll get it
- See product availability at all Mingledorff's locations
- Avoid shipping fees with in-store pickup options or request delivery during checkout

41 LOCATIONS THROUGHOUT THE SOUTHEAST TO SERVE YOU

Pricing, availability and product information available 24/7 at singlesource.mingledorffs.com.

Location	Phone	Address
Albany	(229) 432-5254	408 South Westover Blvd. Albany, GA 31707
Anniston	(256) 241-3026	105 E. D St. Anniston, AL 36201
Athens	(706) 548-4019	105 Whitetail Way Bogart, GA 30622
Atlanta	(404) 875-7755	1290 Tacoma Dr. Atlanta, GA 30318
Auburn	(334) 734-8011	2295 1st Ave. Opelika, AL 36801
Augusta	(706) 651-1950	3618 Wrightsboro Rd. Augusta, GA 30909
Birmingham	(205) 250-7714	516A 31st St. N Birmingham, AL 35203
Braselton – MEC	(770) 967-3263	5456 Dalton Ct. Braselton, GA 30517
Brunswick	(912) 265-5193	275 Rose Dr. Brunswick, GA 31520
Columbus	(706) 322-3870	6201 West Hamilton Park Dr. Columbus, GA 31909
Conyers	(770) 918-9132	335 Gee's Mill Business Pkwy. Conyers, GA 30013
Cumming – MEC	(770) 781-5533	2570 Business Dr. Cumming, GA 30040
Dothan	(334) 836-1035	110 Commercial Ln. Dothan, AL 36303
Forest Park	(404) 361-2474	5158 Kennedy Rd. Suite B&C Forest Park, GA 30297
Fort Walton	(850) 244-2017	76 Beal Pkwy. SW Ft. Walton Beach, FL 32548
Gainesville	(770) 297-9335	2472 Hilton Dr. Gainesville, GA 30501
Gulf Shores	(251) 968-2660	820 Commerce Dr. Gulf Shores, AL 36542
Hardeeville	(843) 867-2143	132 Red Oaks Way Ridgeland, SC 29936
Hattiesburg	(601) 579-9670	1851 Lincoln Rd. Hattiesburg, MS 39402
Hilton Head	(843) 689-3404	21-A Hunter Rd. Hilton Head, SC 29926
Huntsville	(256) 859-2691	391 Nick Fitchheard Rd. Huntsville, AL 35806
Lawrenceville	(678) 442-1060	2111 Cedar Rd. Bldg. A Lawrenceville, GA 30043

Location	Phone	Address
Lawrenceville – MEC	(770) 963-6226	111-B Tanner St. Lawrenceville, GA 30046
Lithia Springs	(770) 948-3451	320 Thorton Rd. #106 Lithia Springs, GA 30122
Loxley	(251) 964-2707	30020 County Rd. 49 Loxley, AL 36551
Macon	(478) 474-8544	5527 Thomaston Rd. Macon, GA 31220
Marietta	(770) 426-0551	1060-D Triad Ct. Marietta, GA 30062
Marietta – MEC	(678) 354-1174	1050 Industrial Park Dr. Suite A Marietta, GA 30062
Mobile	(251) 476-6285	5522 W Commerce Blvd. Mobile, AL 36619
Montgomery	(334) 262-4855	861 Plantation Way, Bldg A Montgomery, AL 36117
Muscle Shoals	(256) 383-6904	107 Commerce St. Muscle Shoals, AL 35661
Newnan	(770) 239-2105	70 Enterprise Ct. Newnan, GA 30265
Ocean Springs	(228) 497-5090	5717 Suntech Dr. Sunplex Ind. Park Ocean Springs, MS 39564
Panama City	(850) 913-0585	800 W 13th St. Panama City, FL 32401
Peachtree Corners	(770) 239-2100	6675 Jones Mill Ct. Peachtree Corners, GA 30092
Pensacola	(850) 438-1005	4405 North Palafox St. Pensacola, FL 32505
Savannah	(912) 232-1228	103 Central Junction Blvd. Savannah, GA 31405
Statesboro	(912) 764-8841	251 West Parrish St. Statesboro, GA 30458
Tuscaloosa	(205) 632-7176	5030 Old Montgomery Hwy Tuscaloosa, AL 35405
Valdosta	(229) 245-8200	363 Connell Rd. Valdosta, GA 31602
Warner Robins	(478) 953-3727	110 Byrd Way Warner Robins, GA 31088

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