OPERATION, NAVIGATION AND ENTERTAINMENT. ONE COMPANY.

ONE SOLUTION, ONE COMPANY. WELCOME TO THE GARMIN BRAND FAMILY.

Combining industry-leading Garmin, Fusion® and EmpirBus™ technology, the Garmin solution provides your customers with a completely connected system and a superior on-road experience.

Easily control and monitor any onboard function from the Garmin infotainment display using the power of EmpirBus Digital Switching. The user interface and system can be custom designed for any RV to deliver an intuitive, premium experience.

The Garmin infotainment system is loaded with RV-specific navigation features and safety functions so your customers can have the confidence to take on the adventure ahead while listening to their favorite soundtrack via the fully integrated Fusion entertainment system.

It’s the one RV solution you’ve been waiting for.
**ADVANCED AUTOMATION FOR THE RV**

Featuring scalable and flexible functionality in tough environments, it is designed to offer outstanding performance and reliability. Customizable, modular systems suit any experience. Control electronic systems such as lighting, air conditioning, sound, remote entertainment systems and much more on any Garmin display.

**THE POWER OF DIGITAL SWITCHING**

EmpirBus Digital Switching uses compact digital control modules to simplify a user's control system resulting in lower warranty and labor costs. Each module can support between 16 and 31 input and output circuits that are customized to meet the exact needs of each control or monitoring system.

Each EmpirBus system communicates with the Garmin infotainment display and other technology on the network. Flexible network architecture enables EmpirBus systems to be interconnected or stand-alone, allowing for configuration and configuration changes throughout the length of the warranty period. This makes the system easier to install and troubleshoot than traditional switch systems, reducing cost and complexity.

EmpirBus Digital Switching paired with Garmin fixed or wireless touchscreens brings a whole new level of freedom and flexibility to your design.

**EMPIRBUS™ CLOUD SOLUTION GRAPHICS**

EmpirBus Cloud Solution Graphics uses a browser-based web interface that allows you to design your own graphics for any screen individually per model or floorplan and can be easily managed within the OEM's workspaces or with Garmin’s support team assistance. See the infographics of graphics offer.

**CUSTOMIZABLE INTERFACE**

- Drag and drop icons, buttons and images into any configuration.
- Personalize layouts by uploading proprietary icons, buttons and images.
- Create controls for every type of switch or monitor.
- Make changes to graphics and logic in-house with EmpirBus Studio and EmpirBus Graphics.

**THE POWER OF DIGITAL SWITCHING**

Instead of space-consuming and labor-intensive fuse and circuit breaker assemblies, EmpirBus Digital Switching replaces these with state-of-the-art digital control modules to simplify a user’s control system resulting in lower warranty and labor costs per unit. Each module can support between 16 and 31 input and output circuits that are customized to meet the exact needs of the equipment being controlled or monitored.

EmpirBus systems are designed for high reliability and durability from extensive use in tough environments. These modules include lighting, slide-out, entertainment, security systems, air conditioning, temperature and much more. EmpirBus replaces traditional circuit breakers and switches with a state-of-the-art digital power distribution that provides reliable and convenient operation.

**OPERATION**

**EMPIRBUS DIGITAL SWITCHING**

With EmpirBus customers can experience the power and convenience of advanced home and luxury car automation in their RVs using digital control modules to replace traditional circuit breakers and switches. The EmpirBus Digital Switching system is a complete replacement for mechanical switch systems and provides reliable and convenient operation.

**EMPIRBUS™ STUDIO**

The easy-to-use EmpirBus Studio software provides a wide set of customization possibilities. This software features a graphic programming user interface to help you build the desired logic functionality of each system. EmpirBus Studio — as well as all other EmpirBus software — is supplied to customers free of charge.

**EMPIRBUS™ GRAPHIC**

EmpirBus Graphics is a graphical programming tool for various platforms, designed to help you create amazing graphics for user interfaces via a simplified work process. In other words, if you can think it, you can program it.
**NXT DCM**

The NXT DCM connects to the main DC power and provides inputs and outputs to the system. Its compact size allows it to be easily mounted in small spaces. It provides 16 channels featuring:

- Two 16-way Molex MX150L connectors
- NMEA 2000® connectivity
- 12/24V DC operation, 100A rating, reverse polarity protection
- 16 universal user-configurable bidirectional (I/O) channels
- Optional EnOcean receiver (model dependent)
- IP65

**CONNECT 50 DC MODULE**

The EmpirBus™ Connect 50 is a 31-channel DC module that provides state-of-the-art technology to digital switching. Based on components designed for the automotive industry, the Connect 50 module has been given an outstanding cost/performance ratio while still managing to provide exciting new features to the market. Its compact size allows it to be easily mounted in small spaces. It provides:

- NMEA 2000 DC module
- 12/24V DC operation, 50A rating, reverse polarity protection
- NMEA 2000, no bus power needed (zero load from NMEA bus power supply)
- Up to 31 (I/O) channels; optional CAN(RVC)-port, RS-485, LIN-bus, integrated WiFi®, EnOcean receiver (model dependent)
- IP65

**WDU WEB DISPLAY UNIT**

The EmpirBus™ Web Display (WDU) unit is a webserver unit that distributes customized graphics to any HTML5-supporting device. The WDU allows any EmpirBus system to be controlled and monitored by a user interface that’s fully optimized for its purpose.

- NMEA 3000
- USB
- Integrated Wi-Fi module
- Ethernet
- Optional integrated worldwide 4G module
- IP65

**EMPIRBUS™ PRODUCTS**

**RV 7” FIXED DISPLAY**

Garmin offers the RV 7” and 9” fixed displays to provide control and monitoring of onboard systems when used in conjunction with the EmpirBus Digital Switching system. Control electronic systems such as lighting, air conditioning, slide-outs, entertainment systems and much more from a Garmin display. Additionally, Garmin creates the TD50, a 5” display intended for use as a secondary EmpirBus Digital Switching display for smaller spaces.

**RV 9” FIXED DISPLAY TD50**

Garmin offers the RV 7” and 9” fixed displays to provide control and monitoring of onboard systems when used in conjunction with the EmpirBus Digital Switching system. Control electronic systems such as lighting, air conditioning, slide-outs, entertainment systems and much more from a Garmin display. Additionally, Garmin creates the TD50, a 5” display intended for use as a secondary EmpirBus Digital Switching display for smaller spaces.
With innovative features and unparalleled reliability, Garmin lets consumers make the most of their time on the road. Hands-free features deliver a superior navigation solution. Garmin. Customized RV routing!

Your customers can spend less time planning their trip and more time enjoying it with RV-specific navigation from Garmin. The Garmin infotainment system has a wealth of knowledge and is the perfect companion for on-road expeditions. It features a frequently updated directory containing information for more than 20,000 locations, including campgrounds, hostels, supermarkets, emergency services, entertainment, points of interest and more. The Garmin infotainment system can suggest the most efficient route to the destination. No more backtracking and close calls. 

Not all roads are created equal. That’s why the size of your customer’s RV plays a crucial role in deciding which route to take. By creating a unique RV profile and inputting height, length, width and weight, the Garmin infotainment system can suggest the most efficient route to the destination. No more backtracking and close calls.

CUSTOM ROUTING
Custom RV routing suggests routes that best suit each RV. This includes RV speed limits for the size and weight of each vehicle.

ROAD WARNINGS
Severe road warnings for bridge heights, weight limits, steep inclines, sharp curves and more.

REAL DIRECTIONS
Easy to understand spoken turn by turn directions guide the driver like a friend, using street names, city names and recognizable landmarks.

ELEVATION PROFILE
This profile shows upcoming elevation and possible steep grades along each route. This profile shows upcoming elevation and possible steep grades along each route.

LANE GUIDANCE
Stay on the right path for the journey with visual directions that provide lane-specific information. Colored arrows indicate the correct lane.

UP-AHEAD INFORMATION
See upcoming campgrounds, rest areas, attractions and fuel stations coming up ahead, along with milestones along the way.

PHOTOREAL JUNCTION VIEW
The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.

FATIGUE WARNINGS
Time for a break? During longer journeys, fatigue warnings suggest breaks to keep you and your passengers safe.

VOICE-ACTIVATED NAVIGATION
Drivers can keep their hands on the wheel because now they can simply speak to the Garmin infotainment system instead of physically entering their destination. They enjoy improved situational awareness and focus with hands-free voice-activated navigation.

AVOID ROAD FEATURES
See roadway features, such as bridges, speed bumps and weight limits, on screens, just as they appear in real life. Brightly colored overlays indicate the correct lane.

UP-AHEAD INFORMATION
See upcoming campgrounds, rest areas, attractions and fuel stations coming up ahead, along with milestones along the way.

BIRD’S EYE JUNCTION VIEW
The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.

CONNECT FOR A BETTER DRIVE
With the easy-to-use Garmin Drive™ app downloaded to your compatible smartphone, your RV navigator can help simplify your drive. Access to the store with one tap, and quickly updates, weather, speed limit notifications and quick access to footage from your paired Garmin cameras (sold separately).

SIMPLE USER INTERFACE
The intuitively designed user interface makes complex navigation a breeze. Drivers can keep their hands on the wheel because now they can simply speak to the Garmin infotainment system instead of physically entering their destination. They enjoy improved situational awareness and focus with hands-free voice-activated navigation.

The confidence to explore
Clearly spoken directions and easy to read road information help ensure a happy driver and happy campers. Exclusive features include lane guidance, bird’s eye view, junctions and potential rest areas. Paperback and on-screen arrows lead the way.

The Garmin infotainment system has a wealth of knowledge and is the perfect companion for on-road expeditions. It features a frequently updated directory containing information for more than 20,000 locations, including campgrounds, hostels, supermarkets, emergency services, entertainment, points of interest and more.

The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.

The intuitively designed user interface makes complex navigation a breeze. Drivers can keep their hands on the wheel because now they can simply speak to the Garmin infotainment system instead of physically entering their destination. They enjoy improved situational awareness and focus with hands-free voice-activated navigation.

The Garmin infotainment system can suggest the most efficient route to the destination. No more backtracking and close calls.

Not all roads are created equal. That’s why the size of your customer’s RV plays a crucial role in deciding which route to take. By creating a unique RV profile and inputting height, length, width and weight, the Garmin infotainment system can suggest the most efficient route to the destination. No more backtracking and close calls.

CUSTOM ROUTING
Custom RV routing suggests routes that best suit each RV. This includes RV speed limits for the size and weight of each vehicle.

ROAD WARNINGS
Severe road warnings for bridge heights, weight limits, steep inclines, sharp curves and more.

REAL DIRECTIONS
Easy to understand spoken turn by turn directions guide the driver like a friend, using street names, city names and recognizable landmarks.

ELEVATION PROFILE
This profile shows upcoming elevation and possible steep grades along each route. This profile shows upcoming elevation and possible steep grades along each route.

LANE GUIDANCE
Stay on the right path for the journey with visual directions that provide lane-specific information. Colored arrows indicate the correct lane.

UP-AHEAD INFORMATION
See upcoming campgrounds, rest areas, attractions and fuel stations coming up ahead, along with milestones along the way.

PHOTOREAL JUNCTION VIEW
The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.

FATIGUE WARNINGS
Time for a break? During longer journeys, fatigue warnings suggest breaks to keep you and your passengers safe.

VOICE-ACTIVATED NAVIGATION
Drivers can keep their hands on the wheel because now they can simply speak to the Garmin infotainment system instead of physically entering their destination. They enjoy improved situational awareness and focus with hands-free voice-activated navigation.

AVOID ROAD FEATURES
See roadway features, such as bridges, speed bumps and weight limits, on screens, just as they appear in real life. Brightly colored overlays indicate the correct lane.

UP-AHEAD INFORMATION
See upcoming campgrounds, rest areas, attractions and fuel stations coming up ahead, along with milestones along the way.

BIRD’S EYE JUNCTION VIEW
The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.

CONNECT FOR A BETTER DRIVE
With the easy-to-use Garmin Drive™ app downloaded to your compatible smartphone, your RV navigator can help simplify your drive. Access to the store with one tap, and quickly updates, weather, speed limit notifications and quick access to footage from your paired Garmin cameras (sold separately).

SIMPLE USER INTERFACE
The intuitively designed user interface makes complex navigation a breeze. Drivers can keep their hands on the wheel because now they can simply speak to the Garmin infotainment system instead of physically entering their destination. They enjoy improved situational awareness and focus with hands-free voice-activated navigation.

The confidence to explore
Clearly spoken directions and easy to read road information help ensure a happy driver and happy campers. Exclusive features include lane guidance, bird’s eye view, junctions and potential rest areas. Paperback and on-screen arrows lead the way.

The Garmin infotainment system has a wealth of knowledge and is the perfect companion for on-road expeditions. It features a frequently updated directory containing information for more than 20,000 locations, including campgrounds, hostels, supermarkets, emergency services, entertainment, points of interest and more.

The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.

The intuitively designed user interface makes complex navigation a breeze. Drivers can keep their hands on the wheel because now they can simply speak to the Garmin infotainment system instead of physically entering their destination. They enjoy improved situational awareness and focus with hands-free voice-activated navigation.

The Garmin infotainment system can suggest the most efficient route to the destination. No more backtracking and close calls.

Not all roads are created equal. That’s why the size of your customer’s RV plays a crucial role in deciding which route to take. By creating a unique RV profile and inputting height, length, width and weight, the Garmin infotainment system can suggest the most efficient route to the destination. No more backtracking and close calls.

CUSTOM ROUTING
Custom RV routing suggests routes that best suit each RV. This includes RV speed limits for the size and weight of each vehicle.

ROAD WARNINGS
Severe road warnings for bridge heights, weight limits, steep inclines, sharp curves and more.

REAL DIRECTIONS
Easy to understand spoken turn by turn directions guide the driver like a friend, using street names, city names and recognizable landmarks.

ELEVATION PROFILE
This profile shows upcoming elevation and possible steep grades along each route. This profile shows upcoming elevation and possible steep grades along each route.

LANE GUIDANCE
Stay on the right path for the journey with visual directions that provide lane-specific information. Colored arrows indicate the correct lane.

UP-AHEAD INFORMATION
See upcoming campgrounds, rest areas, attractions and fuel stations coming up ahead, along with milestones along the way.

PHOTOREAL JUNCTION VIEW
The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.

FATIGUE WARNINGS
Time for a break? During longer journeys, fatigue warnings suggest breaks to keep you and your passengers safe.

VOICE-ACTIVATED NAVIGATION
Drivers can keep their hands on the wheel because now they can simply speak to the Garmin infotainment system instead of physically entering their destination. They enjoy improved situational awareness and focus with hands-free voice-activated navigation.

AVOID ROAD FEATURES
See roadway features, such as bridges, speed bumps and weight limits, on screens, just as they appear in real life. Brightly colored overlays indicate the correct lane.

UP-AHEAD INFORMATION
See upcoming campgrounds, rest areas, attractions and fuel stations coming up ahead, along with milestones along the way.

BIRD’S EYE JUNCTION VIEW
The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.

CONNECT FOR A BETTER DRIVE
With the easy-to-use Garmin Drive™ app downloaded to your compatible smartphone, your RV navigator can help simplify your drive. Access to the store with one tap, and quickly updates, weather, speed limit notifications and quick access to footage from your paired Garmin cameras (sold separately).

SIMPLE USER INTERFACE
The intuitively designed user interface makes complex navigation a breeze. Drivers can keep their hands on the wheel because now they can simply speak to the Garmin infotainment system instead of physically entering their destination. They enjoy improved situational awareness and focus with hands-free voice-activated navigation.

The confidence to explore
Clearly spoken directions and easy to read road information help ensure a happy driver and happy campers. Exclusive features include lane guidance, bird’s eye view, junctions and potential rest areas. Paperback and on-screen arrows lead the way.

The Garmin infotainment system has a wealth of knowledge and is the perfect companion for on-road expeditions. It features a frequently updated directory containing information for more than 20,000 locations, including campgrounds, hostels, supermarkets, emergency services, entertainment, points of interest and more.

The Bird’s Eye junction view points the driver directly to the right path, while brightly colored on-screen arrows lead the way.
The RV-IN1501 infotainment system for motorized recreational vehicles features an edge-to-edge, 15" integrated touchscreen display. This system merges RV-specific Garmin navigation, exceptional high-quality multi-zone audio entertainment powered by Fusion® Entertainment and integrated EmpirBus™ Digital Switching features. The RV-IN1501 provides:

**SUPERIOR NAVIGATION**
- Custom Routing
- Lane Guidance
- RV specific Directory
- Up ahead Information
- Road Warnings
- Elevation Profile
- Hands-free Option

**AUDIO SOURCES**
- Bluetooth®
- USB
- AM/FM Radio
- "Phone-Only" iPod®
- Android™
- MTP
- AUX

**DIGITAL SWITCHING COMPATIBLE**
Equipped with Fusion-link, the RV-IN1501 gives you full control of your entertainment experience right from your fingertips. Independently control the audio input in up to 4 different audio zones of your vehicle with Multi-Zone™ control. Even name each zone for convenience and easy use.

**FUSION-LINK™ WIRELESS**
Equipped with Fusion-link, the RV-IN1501 gives you full control of your entertainment experience right from your fingertips. Independently control the audio input in up to 4 different audio zones of your vehicle with Multi-Zone™ control. Even name each zone for convenience and easy use.

---

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>RV-IN1501 Information (U.S. Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display Size</strong></td>
<td>15&quot;</td>
</tr>
<tr>
<td><strong>Display Resolution</strong></td>
<td>Portrait XGA: 1024 x 768</td>
</tr>
<tr>
<td><strong>Touchscreen Display</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Display Brightness</strong></td>
<td>&gt;400 nits</td>
</tr>
<tr>
<td><strong>Garmin RV-specific Navigation</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Navigation Voice Control</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Multi-Zone™ Technology</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Amplified Speaker Zones (Left, Right)</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Audio Power Output, Maximum @ 2 Ohms Per Channel @ 10% THD+N</strong></td>
<td>43 watts RMS</td>
</tr>
<tr>
<td><strong>Audio Power Output, Maximum @ 4 Ohms Per Channel @ 10% THD+N</strong></td>
<td>26 watts RMS</td>
</tr>
<tr>
<td><strong>RCA Output Zones (Left, Right and Subwoofer)</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Bluetooth® Music Streaming, Music Control (via devices compatible with A2DP/AVRCP 1.3 Bluetooth Protocols)</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Bluetooth Hands-Free Calling</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>SIRIUSXM Ready (requires optional SIRIUSXM Connect Vehicle Tuner)</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>AM/FM</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>USB 2.0 Port for Phone Charging and Media</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>AUX-IN</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>IPOD®/IPHONE®/APPLE® AIRPLAY</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Wi-Fi®</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Camera Inputs (Analog Composite Video)</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Backup Camera Audio-In</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>CAN (Vehicle and Switching Integration)</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Turn On Lines (Ignition and/or House Switch)</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Ethernet</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>SD Card Port</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Mapping Upgrades via Wi-Fi or SD Card Slot</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Software Upgrades via Wi-Fi or SD Card Slot</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Menu Languages</strong></td>
<td>English / French Canadian / Spanish</td>
</tr>
</tbody>
</table>
The ultimate RV adventure starts by combining Garmin navigation, premium Fusion® sound system entertainment and optional EmpirBus™ technology in a single, portable touchscreen display we proudly call Vieo.

Vieo provides:

**SUPERIOR NAVIGATION**
- Custom Routing
- Lane Guidance
- RV Directory
- Up-ahead Information
- Road Warnings
- Rearview Camera Compatibility

**AUDIO SOURCES**
- BLUETOOTH®
- USB
- AM/FM Radio
- iPhone®, iPod®
- SD
- AUX
- Android™
- SiriusXM® Ready (RV51 Dock)
- DAB+ Ready (RV51 Dock, requires MS-DAB100 module)
- Internal DAB Receiver (RV52 dock)
- DAB (only available in parts of Australia and Europe)

**FUSION-LINK™ WIRELESS**
Equipped with Fusion-link, the Vieo series give you full control of your entertainment experience, right from your fingertips. Independently control the audio in up to 4 different audio zones of your vehicle with Multi-Zone™ control. Even name each zone for convenience and easy use.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>7&quot; DISPLAY</th>
<th>8&quot; DISPLAY</th>
<th>10&quot; DISPLAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOUCH SCREEN</td>
<td>Touch Yes</td>
<td>Touch Yes</td>
</tr>
<tr>
<td>DISPLAY SIZE</td>
<td>6.0&quot; W x 3.5&quot; H (15.2 x 8.9 cm); 6.95&quot; (17.7 cm)</td>
<td>6.8&quot; W x 4.2&quot; H (17.2 x 10.7 cm); 8&quot; (20.3 cm)</td>
</tr>
<tr>
<td>UNIT WEIGHT</td>
<td>.88 lbs, 14.2 oz</td>
<td>.86 lbs, 13.8 oz</td>
</tr>
<tr>
<td>DISPLAY RESOLUTION</td>
<td>1024 x 600 WSVGA</td>
<td>1280 x 800 WXGA</td>
</tr>
<tr>
<td>BATTERY</td>
<td>Rechargeable lithium-ion</td>
<td>Rechargeable lithium-ion</td>
</tr>
</tbody>
</table>

### AUDIO SOURCES

- BLUETOOTH®
- USB
- AM/FM Radio
- iPhone®, iPod®
- SD
- AUX
- Android™
- SiriusXM® Ready (RV51 Dock)
- DAB+ Ready (RV51 Dock, requires MS-DAB100 module)
- Internal DAB Receiver (RV52 dock)
- DAB (only available in parts of Australia and Europe)

### SUPERIOR NAVIGATION

- Custom Routing
- Lane Guidance
- RV Directory
- Up-ahead Information
- Road Warnings
- Rearview Camera Compatible

### AUDIO SOURCES

- BLUETOOTH®
- USB
- AM/FM Radio
- iPhone®, iPod®
- SD
- AUX
- Android™
- SiriusXM® Ready (RV51 Dock)
- DAB+ Ready (RV51 Dock, requires MS-DAB100 module)
- Internal DAB Receiver (RV52 dock)
- DAB (only available in parts of Australia and Europe)
STEREO FEATURES

STEREO AUDIO
Automatically adjusts to the volume level from the current activity (music, phone calls, radio, etc.).

STEREO INPUTS (AUX)
2 x RCA Inputs (AUX 1 stereo input; AUX 2 camera audio input only)

STEREO AUDIO FEATURES
4 x speaker connections (2 zone amplified)

STEREO ANGLE CONTROL
Integrates with compatible robotic mounts for improved convenience.

OPERATING VOLTAGE
10.8 V -16 V

CONNECTIONS

AVAILABILITY/WHITE
2 x RCA inputs (AUX 1, connected to AUX 2 camera audio input only)

ETHERNET +
One Ethernet port

USB 2.0 PORT
2 x USB 2.0 ports (1 for phone charging/media playback on the dash; 1 reserved for Garmin accessory use)

ETHERNET (EU AND AUS SKUS)
One Ethernet port

SIRIUSXM (NA SKUS)
1 x SiriusXM port (requires optional SiriusXM Connect vehicle tuner, not included)

COMPUTER CONNECTIVITY
2 x CAN connections (for the vehicle and house/EmpirBus)

IGNITION
2 ignition connections (powered from house batteries with dual on/off control from ignition and/or house switch; plus front panel on/sleep button)

COMPOSITE VIDEO
4 x CVBS inputs (for backup, blindspot and forward-looking cameras)

DIGITAL I/O
3 x camera selects, such that blind spot and backup can be triggered both automatically and manually by user via SW

DOCK
Power, Volume Up/Down, Mute, Fast Forward, Play/Pause, Rewind, Source

DISPLAY SIZE
Accommodates RV 2020 Series 7”, 8” and 10” Displays

PHYSICAL DIMENSIONS (W X H X D)
7” width, 5” height, 1 1/2” depth

UNIT WEIGHT
3.5 lbs, 40.5 oz

FITS IN DDIN CUT-OUT
Yes

EUROPE

WILLING TO PROVIDE POINTS OF INTEREST
Yes

TRIPADVISOR® RATINGS FOR POINTS OF INTEREST
Yes

TRAILER'S PARK (FREE RV PARKING/STOPOVER)
Yes

CAMPERCONTACT
Yes

RDS TRAFFIC
With optional traffic cable accessory, sold separately

LIVE TRAFFIC VIA SMARTPHONE
Yes

LIVE TRAFFIC VIA DAB
With optional traffic cable accessory, sold separately

AUSTRALIA/NZ

WILLING TO PROVIDE POINTS OF INTEREST
Yes

TRIPADVISOR® RATINGS FOR POINTS OF INTEREST
Yes

HEMA POINTS OF INTEREST
Yes

HEMA RASTER MAPPING
Yes

RDS TRAFFIC
With optional traffic cable accessory, sold separately

LIVE TRAFFIC VIA SMARTPHONE
Yes

LIVE TRAFFIC VIA DAB
With optional traffic cable accessory, sold separately

NORTH AMERICA

WILLING TO PROVIDE POINTS OF INTEREST
Yes

TRIPADVISOR® RATINGS FOR POINTS OF INTEREST
Yes

WAGA POINTS OF INTEREST
Yes

HD DIGITAL TRAFFIC
With optional traffic cable accessory, sold separately

RDS TRAFFIC
With optional traffic cable accessory, sold separately

LIVE TRAFFIC VIA SMARTPHONE
Yes

LIVE TRAFFIC VIA DAB
With optional traffic cable accessory, sold separately

VIEO STEREO DOCK

STEREO FEATURES

SOURCES
AM/FM RDS/BLUETOOTH/Apple AirPlay 2 Wi-Fi audio streaming/USB audio/AUX x2/UPnP/
DAB+ (available in Europe and Australia only)

CRUDELY OVERLAPPING PHRASES
DAB ensemble and DAB/DAB/DAB/FM service following both on RV 52

RADIO FEATURES
Dual tuner (RV 52), REG/Regional setting, Alternate Frequency (AF) setting

SIRIUSXM (NA SKUS)
Yes, with advanced features

NUMBER OF PRESETS
15 Presets on each: AM/FM/DAB/SiriusXM

MULTI-ZONE TECHNOLOGY
Yes, four independent audio zones are available for a customized listening experience

DIGITAL SIGNAL PROCESSING (DSP)
Yes, using environmental information and customized Fusion speaker profiles, you can now achieve customized optimized audio

FUSION-LINK CONTROL (WIRELESS)
Yes, via the Fusion-Link app downloaded to your compatible smartphone

PARTYBUS™ TECHNOLOGY
Yes (receive and broadcast — wired or wirelessly). Audio distribution network that allows the ability to switch between Party Mode and Personal Mode without disrupting the audio in other areas of the vehicle.

BLUETOOTH WIRELESS TECHNOLOGY
BLUETOOTH audio streaming, music control (via devices compatible with A2DP/AVRCP 1.3 BLUETOOTH protocols) (Up to 10 m (30 ft))

WI-FI
Yes

ANT TECHNOLOGY
Yes (Up to 3 m 10')

INTERNAL AMPLIFIER
Class-D

PEAK POWER
280-watt max

AUDIO OUTPUT
4 x 26 watts RMS @ 4 ohms per channel @ 10% THD+N; 4 x 43 watts RMS @ 2 ohms per channel @ 10% THD+N

CAMERAS
Connect up to 4 wired cameras and 1 with microphone input; compatible with Garmin BC™ 35 Wireless Backup Camera

COMPATIBLE DEVICES
Garmin Connect IQ™ watch models, ARX70 and ERX400 remotes for media controls

PartyBus networking with SRX400, RA770 and IN1501

EmpirBus Connect 50 and DCM family modules via NMEA 2000®

STEERING WHEEL CONTROL
Integrates with compatible vehicle chassis steering wheel controls

OPERATING VOLTAGE
+10.8 - 16V dc

CONNECTIONS

AUXILIARY INPUTS
2 x RCA Inputs (AUX 1 stereo input; AUX 2 camera audio input only)

ETHERNET
One Ethernet port

USB 2.0 PORT
2 x USB 2.0 port (1 for phone charging/media playback on the dash; 1 reserved for Garmin accessory use)

ETHREN+ (EU AND AUS SKUS)
One Ethernet port

SIRIUSXM (NA SKUS)
One SiriusXM port (requires optional SiriusXM Connect vehicle tuner, not included)

AM/FM RADIO
Motorola port on the RV 51 and FAKRA port on the RV 52.

SPEAKER
4 x speaker connections (2 zone amplified)

PRE-OUT (LEFT, RIGHT AND SUBWOOFER)
2 x zones of RCA pre-outs (L, R, sub; 2 additional zones are in the ISO harness)

COMPUTER CONNECTIVITY
2 x CAN connections (for the vehicle and house/EmpirBus)

IGNITION
2 ignition connections (powered from house batteries with dual on/off control from ignition and/or house switch; plus front panel on/sleep button)

COMPOSITE VIDEO
4 x CVBS inputs (for backup, blindspot and forward-looking cameras)

DIGITAL I/O
3 x camera selects, such that blind spot and backup can be triggered both automatically and manually by user via SW

DOCK
Power, Volume Up/Down, Mute, Fast Forward, Play/Pause, Rewind, Source

DISPLAY SIZE
Accommodates RV 2020 Series 7”, 8” and 10” Displays

PHYSICAL DIMENSIONS (W X H X D)
7” width, 5” height, 1 1/2” depth

UNIT WEIGHT
3.5 lbs, 40.5 oz

FITS IN DDIN CUT-OUT
Yes
MULTI-ZONE™ TECHNOLOGY
Multi-Zone technology gives your customers the freedom to independently control the music in up to four separate zones on board. Adjust the balance, subwoofer and volume levels, with each zone Alloc setup to your unique audio requirements. With the Fusion-Link app, customers can simply download the app from the Apple App Store or Google Play® to remotely control the stereo and independently control the stereo from their compatible smartphone or Apple Watch. They can also control entertainment right from their wrist with the Fusion-Link Lite app and their compatible Garmin watch. Download the app from the Garmin Connect IQ™ Store.

DSP TECHNOLOGY
With the power of Fusion DSP, the sound sent to Fusion speakers can be optimized for each zone, providing personalized listening in any environment. Every step of the audio chain is calculated and optimized by our engineers to deliver an electrically superior listening experience — without the need for you to have the technical understanding behind the complex process. Fusion DSP ensures your customers enjoy the music at the quality the musicians intended.

FEED-FORWARD LIMITER
Experience superior audio with minimized distortion and enhanced system protection.

VOLUME EQUALIZER
Get volume optimization and listen to quality audio at all volumes.

SPEAKER AND ENVIRONMENTAL PROFILING
Enjoy optimized audio in any listening environment.

BUILT-IN WI-FI® AND OVER-THE-AIR SOFTWARE UPDATES
Enjoy the convenience and sheer quality of Wi-Fi audio streaming via Universal Plug and Play (UPnP) or Apple AirPlay® on board. Wi-Fi audio streaming provides higher quality audio and a faster data transfer rate than BLUETOOTH®. Over-the-air software updates are available from a smartphone or compatible device via the Fusion-Link app.

PARTYBUS™-NETWORK
The audio distribution network of the future from Fusion, PartyBus is engineered for those who value the freedom of musical choice and the freedom to play what they want, where they want. Navigate and control the entire RV’s audio network seamlessly with the intuitive user experience.

Key functionalities include:
• Stereo grouping: play the same synchronized audio source across grouped stereos
• Volume control: individual or group volume control
• Power options: turn on any Apollo™ Series stereo or Garmin infotainment product on the PartyBus Network
• Home zone: easy access to control where the stereo is installed.

OUTDOOR-READY™ DESIGN
The Outdoor-Ready design philosophy from Fusion stems from the company’s collective experience confronting harsh outdoor environments. With Outdoor-Ready accreditation, be assured that each product is engineered specifically to meet the test of time in your customer’s vehicle.
The Apollo Series led by the Apollo RA770 takes audio entertainment to the next level. Through creative design and technological brilliance, our purpose-built outdoor audio entertainment system includes many innovations your customers are used to at home.

The Apollo RA770 is designed to work seamlessly with its perfect companion, the SRX400. Both feature built-in Wi-Fi® so your customers can wirelessly connect them to enjoy enhanced PartyBus™-Network capabilities including Stereo Grouping, Power Options, Volume Control and home Zones. Other features include Fusion® DSP technology for a superior listening experience, high-quality Wi-Fi® audio streaming with Apple AirPlay® 2, over-the-air software updates and more.

Apollo RA770 offers:

- Digital Signal Processing for optimized listening in any environment
- Front panel with USB and SD card slots for easy music playback
- Bluetooth® connectivity
- AM/FM radio
- SiriusXM® Ready
- DAB+ Ready (requires MS-DAB100A module)

Panel-Stereo Entertainment Solution

The compact Apollo SRX400 is a companion to the RA770. A Fusion DSP entertainment system, it provides your customers with the same features and benefits as the RSX400, but in a smaller, more compact design. It includes built-in Wi-Fi® technology, allowing your customers to enjoy wireless streaming of their favorite music sources. The SRX400 also features a color display, easy-to-use controls, and supports Fusion Link™ for remote access to your entertainment system.

Audio Sources:
- Bluetooth®
- USB
- iPhone®, iPod®
- AUX
- AM/FM radio
- AOA
- AOA 2.0
- Android Auto
- Apple CarPlay

Experience premium, optimized audio with the perfectly tuned electronics, combining built-in amplification, audio source selection, and powerful sound quality. An advanced equalizer and selectable response modes are perfect for any installation. This entertainment solution is designed to be the perfect addition to your marine or RV entertainment system.
SPEAKERS AND SUBWOOFERS

SIGNATURE SERIES 3 SPEAKERS AND SUBWOOFERS
Experience flagship audio performance now with premium CRGBW LED lighting. The Signature Series 3 range is available in 6.5”, 7.7” and 8.8” speakers and 10” subwoofers with three grille design styles, including classic white, sports white and sports chrome.

XS SERIES SPEAKERS AND SUBWOOFERS
Enjoy high-performance acoustics season after season with the XS Series range. This series is designed to bring your customers the trademark quality audio reproduction from Fusion®, enhanced aesthetics and RGB LED lighting, with the option to control the lighting directly from the speaker itself or a Fusion® Head Unit. The XS Series is available in 4”, 6.5” and 7.7” speakers and 10” subwoofers with sports and classic grille styles to suit a wide range of vehicles.

FM SERIES SPEAKERS AND SUBWOOFERS
The FM Series are designed to deliver quality acoustics — indoors or outdoors — with a sleek, minimalistic look and grille styles to match the interior or exterior of your RV. The innovative flush mount system allows for a mounting profile no thicker than 2.5 mm (3/32″), resulting in a nearly flat finish. Available in 6.5” and 7.7” speakers and 10” subwoofers with four styles: round white, round black, square white and square black, the FM Series blends seamlessly with the aesthetics of a wide range of vehicles.

SM SERIES SPEAKERS
The SM Series is designed for installation where mounting depth is limited. The shallow-mounting depth of only 24 mm (15/16″) allows for mounting in thin wall cavities and cupboard panels. These speakers are designed with a sealed, perfectly tuned enclosure to deliver quality audio reproduction, indoors or outdoors. The SM Series also has 3 optional accessory mounting spacers (sold separately) to allow for more versatility during installation.

SOUND-PANEL SPEAKERS
The Sound-Panel solves the age-old problem of achieving professional quality audio from the limitations of shallow mounting depths often required in many installations. These speakers boast two soft dome tweeters, two custom 4” speaker drivers, and a bass radiator, all perfectly tuned to the Sound-Panel enclosure. Together this brings 200 Watts of powerful, high-quality audio to your vessel.

ACCESSORIES

CRGBW WIRELESS REMOTE
Take full control of the LED lighting options for your Fusion® CRGBW speakers and subwoofers. Your customers will be able to control the color using the intuitive color wheel selection and adjust brightness, light mode and speed with a touch of a button.

APOLLO® ERX400 WIRELESS REMOTE
MS-ERX400
Infrared audio control in a compact format facades the Apollo ERX400 wireless remote with infrared connectivity features an optically bonded 3.7” color LCD, simple controls and an ultra-slim mounting depth.

ARX REMOTE
MS-ARX70B/MS-ARX70W
Bring Fusion ANT-enabled systems with the MS-ARX70/ARX70 remotes to enjoy the freedom and convenience of wireless audio control from anywhere around the RV. These remotes can control your Fusion® ANT-enabled system, anywhere with the ARX remote. Rated both IPX6 and IPX7 water resistant, the remote is perfect for the living room, bedroom, outdoors or anywhere they might want access to audio controls. Additionally, the ARX remote includes a wireless water resistant remote in a durable enclosure. The LED indicator and water resistant cover ensure customer control and audio playback.

AMPLIFIERS

SIGNATURE SERIES AMPLIFIERS
Experience the most powerful and efficient amplifiers from Fusion®. Featuring highly efficient Class-D technology, offering low power consumption and reduced heat, these amplifiers are available in 4-channel, 6-channel and 8-channel configurations. A new 24-volt 6-channel amplifier with 1500-watt peak power is specifically designed for vehicles operating on 24-volt electrical systems.
Combine Garmin navigation, premium Fusion entertainment and optional EmpirBus™ technology in a single portable display that can go wherever you go in your RV. Available in 7”, 8” or 10” sizes.

Take audio entertainment to the next level with a purpose-built stereo that features Multi-Zone™ Technology, PartyBus™-Network capabilities like Stereo Grouping, Wi-Fi® audio streaming with the Apple® AirPlay® 2 software feature and more.

Control and monitor onboard systems like lighting, air conditioning and more from a 5” touchscreen display.

This 15” touchscreen system can be used as a central hub to control all of your RV technology. It merges world-class Garmin navigation, exceptional high-quality multi-zone audio entertainment powered by Fusion® Entertainment and integrated EmpirBus™ digital switching features to put all your systems right at your fingertips.

Use this display as a portable monitor to control onboard systems like slide-outs, security systems and more.

Control and monitor onboard systems from the bedroom like floor heat, media, shades and more.
###娛樂系統比較

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>MS-RA770</th>
<th>MS-WB770</th>
<th>MS-SRX440</th>
<th>MS-RA210</th>
<th>PS-A302B</th>
<th>MS-RA170/MS-RA170SX</th>
<th>MS-RA60</th>
<th>MS-RA670</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>項目</strong></td>
<td><strong>項目</strong></td>
<td><strong>項目</strong></td>
<td><strong>項目</strong></td>
<td><strong>項目</strong></td>
<td><strong>項目</strong></td>
<td><strong>項目</strong></td>
<td><strong>項目</strong></td>
</tr>
<tr>
<td>Display</td>
<td>24.5″ (62 cm)</td>
<td>24.5″ (62 cm)</td>
<td>24.5″ (62 cm)</td>
<td>24.5″ (62 cm)</td>
<td>24.5″ (62 cm)</td>
<td>24.5″ (62 cm)</td>
<td>24.5″ (62 cm)</td>
</tr>
<tr>
<td>4.3″ optically bonded display</td>
<td>4.3″ optically bonded display</td>
<td>4.3″ optically bonded display</td>
<td>4.3″ optically bonded display</td>
<td>4.3″ optically bonded display</td>
<td>4.3″ optically bonded display</td>
<td>4.3″ optically bonded display</td>
<td>4.3″ optically bonded display</td>
</tr>
<tr>
<td>Line Out</td>
<td>4 (1 x L + R per zone)</td>
<td>3 (1 x L + R per zone)</td>
<td>1 (1 x L + R)</td>
<td>2 (1 x L + R per zone)</td>
<td>4 (1 per zone)</td>
<td>3 (1 per zone)</td>
<td>1 (mono output)</td>
</tr>
<tr>
<td>76 Hz-20 kHz</td>
<td>76 Hz-20 kHz</td>
<td>60 Hz-22 kHz</td>
<td>60 Hz-22 kHz</td>
<td>70 Hz-22 kHz</td>
<td>70 Hz-22 kHz</td>
<td>50 Hz-22 kHz</td>
<td>50 Hz-20 kHz</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
</tr>
</tbody>
</table>

#### 繼電器技術

- **類型**: Class-D
- **類型**: Class-D
- **類型**: Class-D
- **類型**: Class-D
- **類型**: Class-AB
- **類型**: Class-D
- **類型**: Class-D
- **類型**: Class-D

#### 基本功能

- **支援**: 3 years (continental U.S.)
- **支援**: 3 years (continental U.S.)
- **支援**: 3 years (continental U.S.)
- **支援**: 1 year (continental U.S.)
- **支援**: 1 year (continental U.S.)
- **支援**: 1 year (continental U.S.)
- **支援**: 1 year (continental U.S.)
- **支援**: 3 years (continental U.S.)

#### 連接性

- **支援**: WMA, MP3, WMA Lossless, AAC
- **支援**: AAC, WMA, MP3
- **支援**: WMA, MP3, AAC
- **支援**: AAC, MP3, WMA
- **支援**: MP3, WMA, AAC
- **支援**: MP3, WMA, AAC
- **支援**: MP3, AAC
- **支援**: AAC, MP3, WMA

#### 電子設計

- **材質**: Impact-resistant plastic
- **材質**: Impact-resistant plastic
- **材質**: Impact-resistant plastic
- **材質**: Impact-resistant plastic
- **材質**: Impact-resistant plastic
- **材質**: Impact-resistant plastic
- **材質**: Impact-resistant plastic
- **材質**: Impact-resistant plastic

#### 防護等級

- **防護等級**: IPX7 front panel
- **防護等級**: IPX7 front panel
- **防護等級**: IPX6 and IPX7 front panel
- **防護等級**: IPX6 and IPX7 front panel
- **防護等級**: IPX7 front panel
- **防護等級**: IPX7 front panel
- **防護等級**: IPX7 front panel
- **防護等級**: IPX7 front panel

#### 額定功率

- **額定功率**: 250 W (4x70 W)
- **額定功率**: 250 W (4x70 W)
- **額定功率**: 140 W (2x70 W)
- **額定功率**: 200 W (4x50 W)
- **額定功率**: 140 W
- **額定功率**: 200 W (4x50 W)
- **額定功率**: 180 W (4x45 W)
- **額定功率**: 280 W (4x70 W)

#### 安裝選項

- **安裝**: Flush and flat
- **安裝**: Flush and flat
- **安裝**: Flush and flat
- **安裝**: Flush and flat
- **安裝**: Flush and flat
- **安裝**: Flush and flat
- **安裝**: Flush and flat
- **安裝**: Flush and flat

#### 專案功能

- **支援**: YES
- **支援**: YES
- **支援**: NO
- **支援**: YES
- **支援**: YES
- **支援**: YES
- **支援**: NO
- **支援**: YES

#### 餵食器功能

- **支援**: YES
- **支援**: YES
- **支援**: NO
- **支援**: YES
- **支援**: YES
- **支援**: YES
- **支援**: NO
- **支援**: YES

#### Wi-Fi

- **支援**: YES
- **支援**: YES
- **支援**: NO
- **支援**: YES
- **支援**: NO
- **支援**: NO
- **支援**: NO
- **支援**: YES

#### 特殊功能

- **支援**: YES
- **支援**: YES
- **支援**: NO
- **支援**: YES
- **支援**: NO
- **支援**: NO
- **支援**: NO
- **支援**: YES

#### 其他

- **額定功率**: 68 oz
- **額定功率**: 68 oz
- **額定功率**: 79 mm
- **額定功率**: 86 mm
- **額定功率**: 105 mm
- **額定功率**: 133 mm
- **額定功率**: 136 mm
- **額定功率**: 156 mm

#### 其他

- **額定功率**: CRGBW (Red, Green, Blue, Warm White, Cool White)
- **額定功率**: CRGBW (Red, Green, Blue, Warm White, Cool White)
- **額定功率**: CRGBW (Red, Green, Blue, Warm White, Cool White)
- **額定功率**: CRGBW (Red, Green, Blue, Warm White, Cool White)
- **額定功率**: CRGBW (Red, Green, Blue, Warm White, Cool White)
- **額定功率**: CRGBW (Red, Green, Blue, Warm White, Cool White)
- **額定功率**: CRGBW (Red, Green, Blue, Warm White, Cool White)
- **額定功率**: CRGBW (Red, Green, Blue, Warm White, Cool White)

#### Note:

- All full-range and subwoofer line outs require external amplification
## XS Series, FM Series and SM Series Comparison

### Specifications

<table>
<thead>
<tr>
<th>XS-FL75SPGW</th>
<th>XS-F77CWB</th>
<th>XS-SL10SPGW</th>
<th>FM-F77RW/RB</th>
<th>FM-F45RW/RB</th>
<th>FM-S10RW/RB</th>
<th>SM-F65CW</th>
<th>SM-F85CW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Speaker Size</strong></td>
<td>7.7&quot;</td>
<td>6.5&quot;</td>
<td>6.5&quot;</td>
<td>10&quot;</td>
<td>10&quot;</td>
<td>6.5&quot;</td>
<td>6.5&quot;</td>
</tr>
<tr>
<td><strong>RMS Power Rating</strong></td>
<td>60W</td>
<td>50W</td>
<td>30W</td>
<td>120W</td>
<td>50W</td>
<td>30W</td>
<td>120W</td>
</tr>
<tr>
<td><strong>Mounting Diameter</strong></td>
<td>135mm [5-5/16&quot;]</td>
<td>99mm [3-7/8&quot;]</td>
<td>77mm [3&quot;]</td>
<td>135mm [5-5/16&quot;]</td>
<td>99mm [3-7/8&quot;]</td>
<td>77mm [3&quot;]</td>
<td>54mm [2-1/8&quot;]</td>
</tr>
<tr>
<td><strong>Voice Coil Diameter</strong></td>
<td>1.18&quot;</td>
<td>1.18&quot;</td>
<td>1.18&quot;</td>
<td>1.18&quot;</td>
<td>1.18&quot;</td>
<td>1.18&quot;</td>
<td>1.18&quot;</td>
</tr>
<tr>
<td><strong>Mounting Depth Clearance</strong></td>
<td>77mm [3&quot;]</td>
<td>67mm [2-1/4&quot;]</td>
<td>54mm [2-1/8&quot;]</td>
<td>77mm [3&quot;]</td>
<td>67mm [2-1/4&quot;]</td>
<td>54mm [2-1/8&quot;]</td>
<td>41oz</td>
</tr>
<tr>
<td><strong>Cone Material</strong></td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
<td>3 years</td>
</tr>
<tr>
<td><strong>Peak Power (Watts)</strong></td>
<td>4 ohms</td>
<td>4 ohms</td>
<td>4 ohms</td>
<td>4 ohms</td>
<td>4 ohms</td>
<td>4 ohms</td>
<td>4 ohms</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>2 ohm</td>
<td>4 ohms</td>
<td>8 ohms</td>
<td>2 ohm</td>
<td>4 ohms</td>
<td>8 ohms</td>
<td>2 ohm</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>70 Hz-18 kHz</td>
<td>80 Hz-18 kHz</td>
<td>100 Hz-18 kHz</td>
<td>30 Hz-2 kHz</td>
<td>80 Hz-18 kHz</td>
<td>100 Hz-18 kHz</td>
<td>150 Hz-20 kHz</td>
</tr>
<tr>
<td><strong>Efficiency (1W/1M)</strong></td>
<td>92dB</td>
<td>91dB</td>
<td>91dB</td>
<td>91dB</td>
<td>91dB</td>
<td>91dB</td>
<td>84dB</td>
</tr>
<tr>
<td><strong>Total Rated Power Output (Watts)</strong></td>
<td>500 W RMS x 1 @ 14.4 V - 4 ohm</td>
<td>440 W RMS x 2 @ 14.4 V - 4 ohm</td>
<td>130 W RMS x 4 + 330 W RMS x 1 bridged</td>
<td>220 W RMS x 4 @ 14.4 V - 2 ohm</td>
<td>100 W RMS x 4 + 250 W RMS x 1 bridged</td>
<td>80 W RMS x 4 + 250 W RMS x 1 bridged</td>
<td>70 W RMS x 4 + 250 W RMS x 1 bridged</td>
</tr>
<tr>
<td><strong>Signal to Noise Ratio (AT 1W)</strong></td>
<td>&gt;80dB</td>
<td>&gt;95dB</td>
<td>&gt;95dB</td>
<td>&gt;85dB</td>
<td>&gt;85dB</td>
<td>&gt;85dB</td>
<td>&gt;85dB</td>
</tr>
<tr>
<td><strong>Operation Voltage</strong></td>
<td>10.8 - 16 V</td>
<td>10.8 - 16 V</td>
<td>10.8 - 16 V</td>
<td>10.8 - 16 V</td>
<td>10.8 - 16 V</td>
<td>21.6 - 32 V</td>
<td>21.6 - 32 V</td>
</tr>
<tr>
<td><strong>Protection</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Signature Series Amplifier Comparison

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power (Watts)</strong></td>
<td>1200</td>
<td>1400</td>
<td>1600</td>
<td>1500</td>
<td>2000</td>
<td>1500</td>
<td>1700</td>
</tr>
<tr>
<td><strong>Amplifier Class</strong></td>
<td>Class-D</td>
<td>Class-D</td>
<td>Class-D</td>
<td>Class-D</td>
<td>Class-D</td>
<td>Class-D</td>
<td>Class-D</td>
</tr>
<tr>
<td><strong>Protection</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Fusion Ratings</strong></td>
<td>2 x 40A</td>
<td>2 x 40A</td>
<td>2 x 40A</td>
<td>3 x 40A</td>
<td>4 x 40A</td>
<td>2 x 20A</td>
<td>-</td>
</tr>
<tr>
<td><strong>Operating Voltage</strong></td>
<td>10.8 - 16 V</td>
<td>10.8 - 16 V</td>
<td>10.8 - 16 V</td>
<td>10.8 - 16 V</td>
<td>10.8 - 16 V</td>
<td>21.6 - 32 V</td>
<td>21.6 - 32 V</td>
</tr>
<tr>
<td><strong>Signal to Noise Ratio (AT 4W)</strong></td>
<td>&gt;80dB</td>
<td>&gt;95dB</td>
<td>&gt;95dB</td>
<td>&gt;85dB</td>
<td>&gt;85dB</td>
<td>&gt;85dB</td>
<td>&gt;85dB</td>
</tr>
<tr>
<td><strong>Total Rated Power Output</strong></td>
<td>1100 W RMS x 1 @ 14.4 V - 1 ohm</td>
<td>850 W RMS x 1 @ 14.4 V - 2 ohm</td>
<td>500 W RMS x 2 @ 14.4 V - 4 ohm</td>
<td>220 W RMS x 4 @ 14.4 V - 2 ohm</td>
<td>100 W RMS x 4 @ 14.4 V - 4 ohm</td>
<td>80 W RMS x 4 @ 14.4 V - 4 ohm</td>
<td>70 W RMS x 4 @ 14.4 V - 4 ohm</td>
</tr>
<tr>
<td><strong>THD</strong></td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
</tbody>
</table>

### Additional Information
- **LED Lighting**: RGB (sports-style only)
- **Tweeter Type**: Aluminum dome
- **Fuse Ratings**: 3 x 40A, 2 x 40A, 2 x 40A, 3 x 40A, 4 x 40A, 2 x 20A
- **Mounting Depth Clearance**: 83 mm [3-1/4"]
- **Mounting Diameter**: 165 mm [6-1/2"]
- **Cone Material**: Polypropylene
- **Impedance**: 2 ohm, 4 ohms, 8 ohms
- **Frequency Response**: 70 Hz-18 kHz, 80 Hz-18 kHz, 100 Hz-18 kHz, 30 Hz-2 kHz, 80 Hz-18 kHz, 100 Hz-18 kHz, 150 Hz-20 kHz