



CMM-30

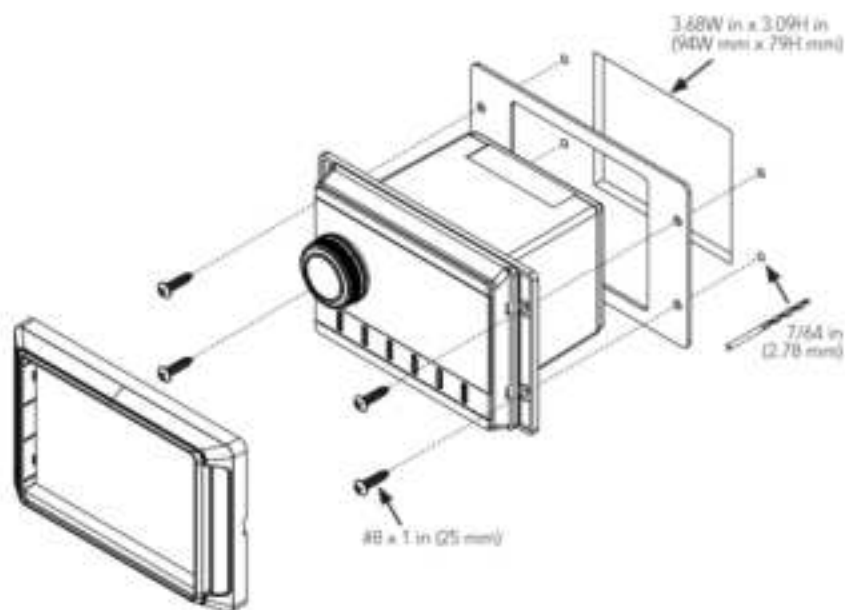
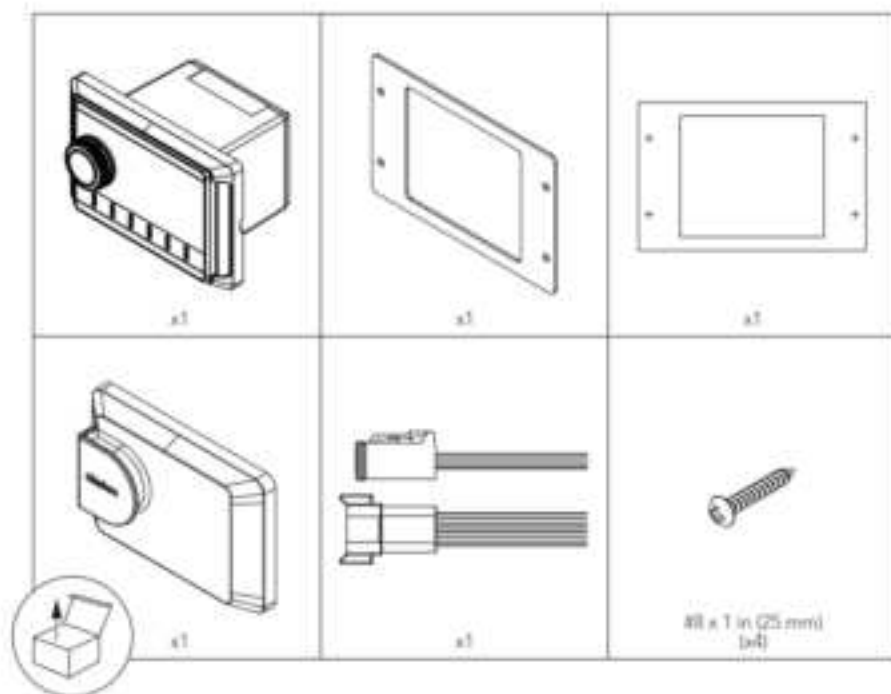
Marine Source Unit with Full-Color LCD

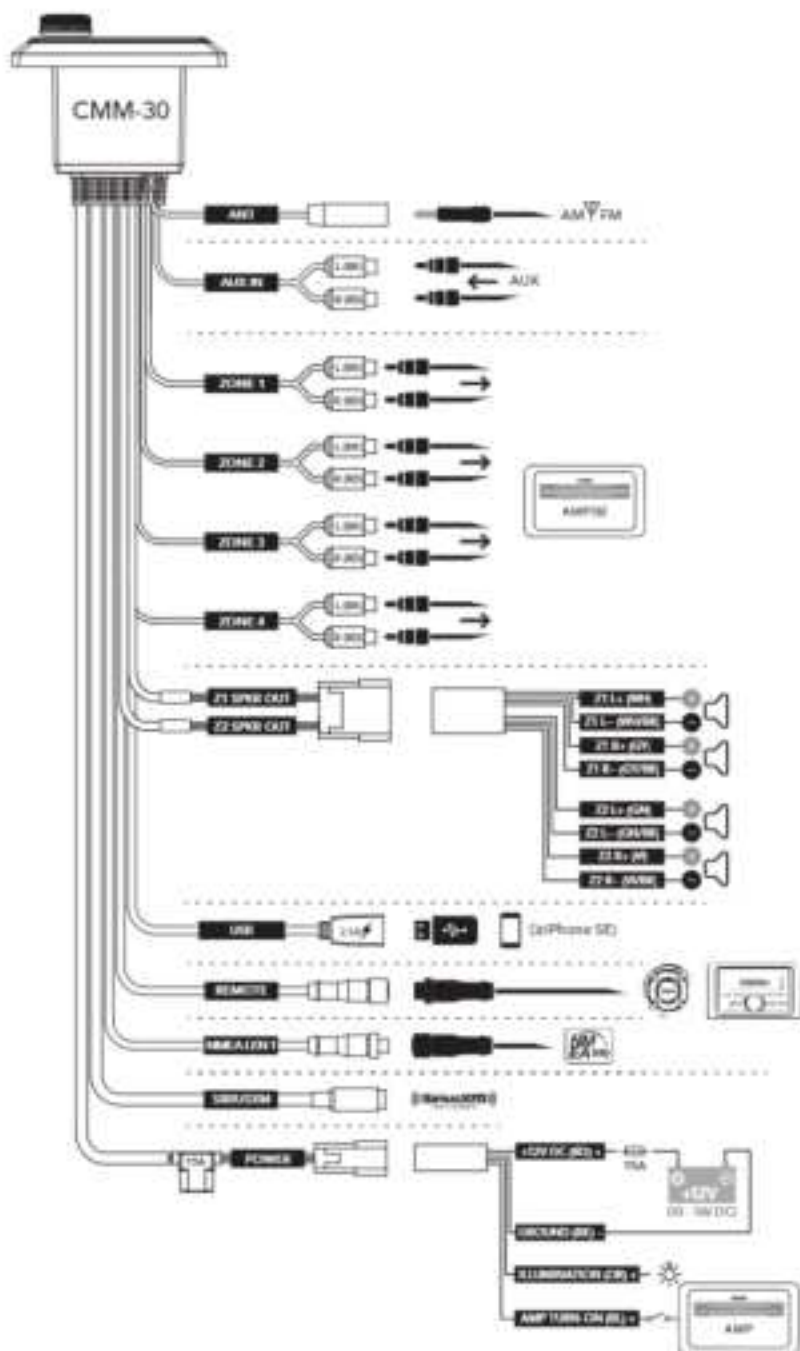
OWNER'S MANUAL
MANUEL D'UTILISATION
MANUAL DEL PROPIETARIO
BEDIENUNGSANLEITUNG
MANUALE DEL PROPRIETARIO



clarion







FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must not accept any interference received, including interference that may cause undesired operation. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

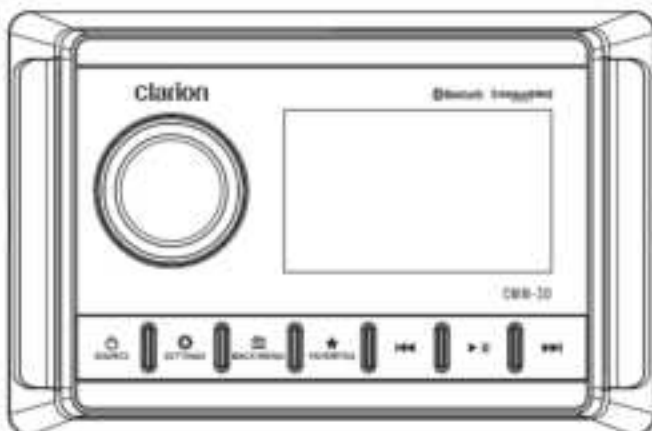
SAFETY CONSIDERATIONS








- Only use this product in vehicles with 12 volt, negative-ground electrical systems. This product is not certified or approved for use in aircraft.
- Mount this product securely to prevent damage or injury in severe conditions.
- Do not replace the power wire fuse with one of a different value. Never bypass the fuse.
- Listen to your audio system at levels appropriate for operating conditions and hearing safety.

INSTALLATION CONSIDERATIONS



- Installation requires appropriate tools and safety equipment. Professional installation is recommended.
- This product is water-resistant. Do not submerge or subject to high-pressure water spray.
- Before installation, turn off the audio system and disconnect the battery system from the audio system.
- Install in a dry, well-ventilated location that does not interfere with your factory-installed systems. If a dry environment is not available, a location that is not exposed to heavy splashing may be used.
- Before cutting or drilling, check for potential obstacles behind mounting surfaces.
- Carefully route all system wiring away moving parts and sharp edges; secure with cable ties or wire clamps and use grommets and loom where appropriate to protect from sharp edges.

GENERAL CONTROL FUNCTIONS





Control		Function
	SOURCE/Power	<ul style="list-style-type: none"> • Short press to turn ON; Long press to turn OFF • When on, short press to display the Source: Select menu
	Volume/Select	<ul style="list-style-type: none"> • Rotate to adjust volume • Rotate/press for navigation and making selections
	SETTINGS	<ul style="list-style-type: none"> • Short press to access Tone, Balance & EQ settings • Long press to access Settings: Main Menu
	BACK/MENU	<ul style="list-style-type: none"> • Short press to go back one step or access source specific menus
	FAVORITES	<ul style="list-style-type: none"> • Short press to access stored presets • Long press to store a frequency as a preset (up to 18)
	Mute/Pause	<ul style="list-style-type: none"> • Short press to mute/unmute audio (AM/FM/SiriusXM/WB/AUX) or pause/resume the current selection (USB/Bluetooth)
	Forward	Short press to: <ul style="list-style-type: none"> • Manually adjust tuner forwards (AM/FM/SiriusXM/WB) • Select the next track (USB/Bluetooth) Long press to: <ul style="list-style-type: none"> • Seek to the next channel (AM/FM/WB) • Initiate Rapid Channel Browsing forward (SiriusXM) • Fast-forward (USB/Bluetooth)
	Backward	Short press to: <ul style="list-style-type: none"> • Manually adjust tuner backwards (AM/FM/SiriusXM/WB) • Restart track/select the previous track (USB/Bluetooth) Long press to: <ul style="list-style-type: none"> • Seek to the previous channel (AM/FM/WB) • Initiate Rapid Channel Browsing backward (SiriusXM) • Fast-rewind (USB/Bluetooth)



SYSTEM MENU SETTINGS

 SETTINGS	<ul style="list-style-type: none"> • Long press to access the Settings: Main Menu
	<ul style="list-style-type: none"> • Rotate to navigate • Press to make selections
Setting	Function
Audio Zone Setup	Configures each set of audio zone outputs
Aux Input Sensitivity	Configures AUX input sensitivity: 2V or 1V RMS (default)
Diagnostic	Displays hardware and software version info
Display	Configures display and brightness settings
Scrolling test	Enables continuous scrolling of available RDS/track text info
Tuner Region	Configures AM/FM tuner range/scale for a specific region

FAVORITES MENU SETTINGS

 FAVORITES	<ul style="list-style-type: none"> • Short press to access settings/stored presets • Long press to store a frequency as a preset (up to 18)
	<ul style="list-style-type: none"> • Rotate to navigate • Press to make selections
Setting	Function
Edit	Select to Move or Delete stored presets



TONE, BALANCE & EQ MENU SETTINGS

	• Short press to access settings	
	<ul style="list-style-type: none"> • Rotate to navigate • Press to make selections 	
Setting	Function	Note
Treble	Treble level control from -10 to +10	EQ must be set to Off
Mid	Mid level control from -10 to +10	
Bass	Bass level control from -10 to +10	
Balance	Balance control from full left (-10) to full right (+10)	
EQ	5-band equalizer control from -10 to +10 per band	



AUDIO ZONE MENU SETTINGS

	• Long press to access settings	
	<ul style="list-style-type: none"> • Rotate to navigate • Press to make selections 	
Zone	Function	Setting 1
Z1: Zone 1 Z2: Zone 2 Z3: Zone 3 Z4: Zone 4	Level Control Mode	Variable (default)
		Absolute
		Sub (Zone 4 only)
		Off
	HP Xover	Off
		80 Hz
		100 Hz
		120 Hz
	Rename Zone	Boat, Bridge, Cabin, Cockpit, Galley, Helm, Stateroom 1, Stateroom 2, Tower, Transom
		Factory Default
	Volume Limit	Max Volume Limit

BLUETOOTH MENU SETTINGS

 BACK/MENU	<ul style="list-style-type: none"> • Short press to access settings
	<ul style="list-style-type: none"> • Rotate to navigate • Press to make selections
Setting	Function
Now Playing	Return to the Now Playing Screen
Connect Paired Device	Display all paired devices for connection
Pair New Device	Initiates Pairing Mode (current connected devices will be disconnected)
Set Primary Device	Assign priority to a paired device for automatic connection
Delete a Paired Device	Select from paired devices for removal
Delete All Paired devices	Removes all paired devices from memory

USB MENU SETTINGS

 BACK/MENU	<ul style="list-style-type: none"> • Short press to access settings
	<ul style="list-style-type: none"> • Rotate to navigate • Press to make selections
Setting	Function
Now Playing	Return to the Now Playing Screen
Random	Random playback of all tracks
Repeat	Repeats playback of the current track or all tracks
Play All	Plays all tracks within all folders
Folder list	Displays list of folders/tracks

! IMPORTANT

- Properly secure the connected device before driving to prevent damage from dropping or sudden acceleration/braking.
- Control, functionality and display may vary depending on the model and version of iPhone® connected.
- When connected via USB port, make sure to unpair or disable the Bluetooth connection to avoid possible playback conflicts.
- If you experience abnormal performance during operation, disconnect the iPhone® and check its condition. Restart your iPhone® if performance does not improve.
- "Made for iPhone" means that an electronic accessory has been designed to connect specifically to an iPhone® and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an iPhone® may affect wireless performance.
- iPhone® and all related marks and logos are trademarks of Apple Inc., registered in the U.S. and other countries.

SIRIUSXM® SATELLITE RADIO

Only SiriusXM® brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com. (SiriusXM service is only available in the continental US and Canada.)

Activating Your SiriusXM Subscription

After installing your SiriusXM Connect tuner and antenna, power on your CMM-30 and select SiriusXM mode. You should be able to hear the SiriusXM preview channel on Channel 1. If you cannot hear the preview channel, please check the installation instructions to make sure your SiriusXM Connect tuner is properly installed.

After you can hear the preview channel, tune to Channel 0 to find the Radio ID of your tuner. In addition, the Radio ID is located on the bottom of the SiriusXM Connect Vehicle Tuner and its packaging. You will need this number to activate your subscription. Write the number down for reference. Note: the SiriusXM Radio ID does not include the letters I, O, S or F.

In the USA, you can activate online or by calling SiriusXM Listener care:

- Visit www.siriusxm.com/activatenow
- Call SiriusXM Listener Care at 1-866-635-2349

For Canadian Subscriptions, please contact:

- Visit www.siriusxm.ca/activate
- Call SiriusXM Customer Care at 1-888-539-7474

As part of the activation process, the SiriusXM satellites will send an activation message to your tuner. When your radio

detects that the tuner has received the activation message, your radio will display: "Subscription Updated". Once subscribed, you can tune to channels in your subscription plan.

Note: The activation process usually takes 10 to 15 minutes, but may take up to an hour. Your radio will need to be powered on and receiving the SiriusXM signal to receive the activation message.

Parental Controls

Some SiriusXM channels contain mature content. When the Parental Controls feature is enabled, channels with mature content are restricted and will require a 4-digit lock code to access.

Enabling Parental Controls

1. Press **BACK/MENU** to access the SiriusXM: Main Menu.
2. Turn **VOL/SEL** to Parental Controls and press to enter.
3. Press **VOL/SEL** to select Lock Mature Channels. After, you must enter a 4-digit lock code to lock mature content channels. (Parental Control default passcode: 0000)
4. Use **VOL/SEL** to enter the 4-digit lock code and select Save when finished.

Changing the Lock Code

1. Press **BACK/MENU** to access the SiriusXM: Main Menu.
2. Turn **VOL/SEL** to Parental Controls and press to enter.
3. Turn **VOL/SEL** to Edit Lock Code and press enter.
4. Use **VOL/SEL** to enter the current 4-digit lock code and select Enter when finished.
5. Use **VOL/SEL** to enter the new lock code and select **Enter** to confirm.

Make sure to save your 4-digit lock code for future reference.

SIRIUSXM MAIN MENU

This allows access to the SiriusXM operational menu options. Refer to the table below for available settings and functionality.

1. Press **BACK/MENU** to access the SiriusXM: Main Menu.
2. Turn **VOL/SEL** to highlight one of the menu settings listed in the table below and press to enter.
3. Use **VOL/SEL** to make selections.

Setting	Function
Now Playing	Return to the Now Playing Screen
Browse By Channel	View list of available SiriusXM channels
Browse By Category	View list of available SiriusXM channels by category
Direct Tune	Allows entry for direct channel selection
My Account	View your SiriusXM account status, Radio ID and Reset SiriusXM command
Parental Controls	Settings for access to Lock and Unlock Mature SiriusXM channels

Album Art

Album art can be displayed for most of the SiriusXM music channels. When album art is not available, the Channel Default Logo image or the SiriusXM Default Logo image will be displayed.

Resetting SiriusXM Settings

A reset will restore all presets and settings, including parental controls, back to their factory defaults.

1. Press **BACK/MENU** to access the **SiriusXM: Main Menu**.
2. Turn **VOL/SEL** to **My Account** and press to enter.
3. Turn **VOL/SEL** to **Reset SiriusXM Tuner** and press to enter.
4. Use **VOL/SEL** to select **Confirm**.

Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. All rights reserved.

SIRIUSXM TROUBLESHOOTING

Advisory messages may appear on the display when a SiriusXM-Connect Vehicle Tuner is connected to the CMM-30. Refer to the table below for an explanation and suggested corrective actions.

Advisory Message	Description
Check Antenna	<p>The radio has detected a fault with the SiriusXM antenna. The antenna cable may be either disconnected or damaged.</p> <ul style="list-style-type: none">• Verify that the antenna cable is connected to the SiriusXM Connect Vehicle Tuner.• Inspect the antenna cable for damage and kinks. Replace the antenna if the cable is damaged.• SiriusXM products are available at your local audio retailer or online at www.shop.siriusxm.com.
Check Tuner	<p>The radio is having difficulty communicating with the SiriusXM Connect Vehicle Tuner. The tuner may be disconnected or damaged.</p> <ul style="list-style-type: none">• Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio.
No Signal	<p>The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.</p> <ul style="list-style-type: none">• Verify that your vehicle/vessel is outdoors with a clear view of the sky.• Verify that the SiriusXM antenna is mount on the exterior.• Move the SiriusXM antenna away from any obstructions.• Inspect the antenna cable for damage and kinks.• Consult the SiriusXM Connect Vehicle tuner installation manual for more information on antenna installation. Replace the antenna if the cable is damaged. <p>SiriusXM products are available at your local audio retailer or online at www.shop.siriusxm.com.</p>
Subscription Updated	<p>The radio has detected a change in your SiriusXM subscription status. Press VOL/SEL to clear the message.</p> <p>In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription.</p> <p>In Canada, visit www.siriusxm.ca or call 1-888-539-7474 if you have questions about your subscription.</p>
Channel Unavailable	<p>The channel that you have requested is not a valid SiriusXM channel or the channel you were listening to is no longer available. You may also see this message briefly when first connecting a new SiriusXM Connect Vehicle tuner.</p> <p>Visit www.siriusxm.com for more information about the SiriusXM channel lineup.</p>
Channel Unsubscribed	<p>The channel that you have requested is not included in your SiriusXM subscription package or the channel that you were listening to is no longer included in your SiriusXM subscription package.</p> <p>In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription package or would like to subscribe to this channel.</p> <p>In Canada, visit www.siriusxm.ca or call 1-877-438-9677.</p>
Channel Locked	<p>The channel that you have requested is Locked by the radio Parental Control feature. See Parental Controls, page 12 for more information on the Parental Control feature and how to access locked channels.</p>

SPECIFICATIONS

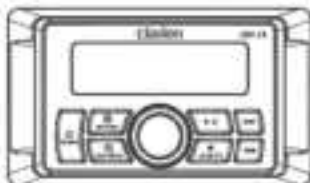
Electrical	
Operating Voltage	14.4V DC (10V - 16V)
Operating Temp Range	-4° F to +140° F (-20° C to +60° C)
Current Draw / Fuse Value	15 A (max) / 33 mA (standing) / 15 A
NMEA 2000® LEN	1 (Micro-C connector)
Compatible MFDs	Sirius®, Lowrance®, Garmin® (control functionality varies by MFD manufacturer)
Remote Turn-On Output	500 mA
Display	3 in. TFT LCD (active) / 360 x 360
Tuner	
FM Tuner	USA: 87.9 MHz to 107.9 MHz (0.2 MHz step) EU: 87.50 MHz to 108.00 MHz (0.05 MHz step) AUS: 87.50 MHz to 108.00 MHz (0.10 MHz step) OTHER: 87.50 MHz to 108.00 MHz (0.05 MHz step)
AM Tuner	USA: 530 kHz to 1710 kHz (10 kHz step) EU: 531 kHz to 1602 kHz (9 kHz step) AUS: 531 kHz to 1629 kHz (9 kHz step) OTHER: 531 kHz to 1629 kHz (9 kHz step)
NOMA Weatherband	USA: 162.400 MHz - 162.500 MHz (0.025 MHz step)
Favorites	18 presets across all bands
Bluetooth®	
Profile / Spec	SBC / A2DP, AVRCP
Connection Range	Up to 25 ft / 7.5 m
USB	
Interface / Charging Output	USB 2.0 High Speed / 2.1 A
Supported Audio Formats	MP3, WMA, FLAC, WAV
File Limits	Folders: 255 Files in a single folder: 3,000 Total Files: 9,999
Apple Compatibility	iPhone SE (2nd generation) or beyond (functionality contingent upon compatible iOS release)
Preamp Audio Outputs/Inputs	
Output Channels	Four stereo pairs of RCA (plug 0.5V RMS)
Output Configuration	Variable, Absolute, Off (all zones) or Sub (Zone 4 only)
Auxiliary Input Channels	One stereo pair of RCA plugs (TV / 2V RMS Input Sensitivity)
Amplified Audio Outputs	
Rated RMS Power @ 14.4V	25W x 4 @ 4-Ω
Audio Control Options	
Tune	Treble, Mid, Bass, Balance or 5-band equalizer (all zones)
High-Pass Crossover	Off, 80 Hz, 100 Hz & 120 Hz (all zones)
Dimensions	
Unit W x H x D	5.94 in. x 3.90 in. x 2.95 in. (151 mm x 99 mm x 75 mm)
Mounting Hole W x H	3.60 in. x 3.05 in. (94 mm x 79 mm)

AUXILIARY CONTROL OPTIONS

Two connection types are included for adding control capabilities from auxiliary locations. Refer to the supplied Owner's Manual of each controller/ type (sold separately) for specific user and installation instructions.

REMOTE Connection

Permits direct connection of wired controllers (sold separately) using accessory controller cables and splitters (sold separately). Connect up to three controllers to a single source unit, at up to 75 ft (23m) away (cumulative cable length). Each wired remote connects directly using controller cables and 2-way splitters (sold separately). Refer to the supplied Owner's Manual for specific user and installation instructions.



CMR-20

Wired Remote Controller with LCD Display

Full-function, water-resistant (IP67 rated) controller



CMR-10

Wired Remote Controller

Auxiliary, water-resistant (IP67 rated) controller

NMEA 2000® Connection

NMEA 2000®, Micro-C connector interfaces directly with NMEA 2000® networks using applicable NMEA 2000® cables and connectors (sold separately).



NMEA 2000® MFD Control

Achieve control capabilities from compatible multi-function displays (MFD). NMEA 2000® functionality requires compatible NMEA 2000® entertainment protocols (PGN) and may require a software upgrade of connected MFD devices. Refer to your MFD's manufacturer for device compatibility info.

