

# ENTERTAINMENT SYSTEM COMPARISON

NOTE: All full range and subwoofer line outs require external amplification.  
 \*\* An external router is required for Wi-Fi connectivity.



**MS-RA770**



**MS-RA670**



**MS-WB670**



**MS-SRX400**



**MS-RA70  
MS-RA70N  
MS-RA70NSX**

## SPECIFICATIONS

PEAK POWER	280 W (4x70 W)	280 W (4x70 W)	280 W (4x70 W)	140 W (2x70 W)	200 W (4x50 W)
AMPLIFIER	Class-D	Class-D	Class-D	Class-D	Class-AB
MULTI-ZONE TECHNOLOGY	4 zones	3 zones	3 zones	No	2 zones
DISPLAY	4.3" optically bonded color LCD touchscreen	2.7" optically bonded color LCD	No	2.7" optically bonded color LCD	128x64 optically bonded monochrome LCD
LINE OUT	4 (1 x L + R per zone)	3 (1 x L + R per zone)	3 (1 x L + R per zone)	1 (1 x L + R)	2 (1 x L + R per zone)
SUBWOOFER OUT	4 (1 per zone)	3 (1 per zone)	3 (1 per zone)	1 (mono output)	1 (zone 1)
AUXILIARY INPUTS	2 x RCA inputs	1 x RCA input	1 x RCA input	No	1 x RCA input

## SOURCES

TUNER	AM/FM with RDS (where available)	AM/FM with RDS (where available)	AM/FM with RDS (where available)	AM/FM with RDS (where available)	AM/FM with RDS (where available)
BUILT-IN WI-FI	Yes	No	No	Yes	No
iPod/iPhone	Yes	Yes	Yes	No	Yes
ANDROID/WINDOWS MTP SUPPORT	Yes	Yes	Yes	No	No
AOA SUPPORT	Yes	Yes	Yes	Yes	Yes
USB	Yes - 1 connection	Yes - 1 connection	Yes - 1 connection	No	Yes - 1 connection
BLUETOOTH® WIRELESS TECHNOLOGY	Yes	Yes	Yes	Yes	Yes
SIRIUSXM READY	Yes (continental U.S. and Canada only)	Yes (continental U.S. and Canada only)	Yes (continental U.S. and Canada only)	No	MS-RA70NSX only (continental U.S. and Canada only)
DVD/CD VIA hdmi CONNECTION	No	No	No	No	No
DVD/CD VIA COMPOSITE AND COMPONENT CONNECTIONS	No	No	No	No	No
AUDIO RETURN CHANNEL (ARC)	No	No	No	No	No
OPTICAL AUDIO INPUT	Yes	Yes	Yes	No	No
DAB+ READY	Yes	Yes	Yes	No	MS-RA70 & MS-RA70N only

## CONNECTIVITY

FUSION-LINK VIA NMEA 2000	Yes	Yes	Yes	No	MS-RA70N & MS-RA70NSX only
FUSION-LINK VIA ETHERNET/WI-FI	Yes	Yes**	Yes**	Yes	No
FUSION-LINK VIA BLUETOOTH	Yes	Yes	Yes	Yes	Yes
FUSION-LINK VIA ANT TECHNOLOGY	Yes	Yes	Yes	No	Yes

## MECHANICAL DESIGN

WATER RESISTANCE (IPX RATING)	IPX7 front panel	IPX6 and IPX7 front panel	IPX2	IPX7 front panel	IPX7 front panel
CHASSIS	Electrically isolated impact resistant plastic	Electrically isolated impact resistant plastic	Electrically isolated impact resistant plastic with heat sink	Electrically isolated impact resistant plastic	Glass reinforced composite
MOUNTING OPTIONS	Flush and flat	Flush and flat	Surface	Flush and flat	Flush and flat
WARRANTY	3 years	3 years	3 years	3 years	1 year

# ENTERTAINMENT SYSTEM COMPARISON

NOTE: All full range and subwoofer line outs require external amplification.



**MS-RA210**



**MS-RA55**



**MS-BB100**



**PS-A302B  
PS-A302BOD**



**WS-SA150W/B/R**

## SPECIFICATIONS

PEAK POWER	200 W (4x50 W)	180 W (4x45 W)	200 W (4x50 W)	140 W	40 W (2x20 W)
AMPLIFIER	Class-D	Class-AB	Class-AB	Class-D	Class-D
MULTI-ZONE TECHNOLOGY	2 zones	2 zones	2 zones	No	No
DISPLAY	2.7" optically bonded color LCD	2.3" monochrome LCD	No	No	No
LINE OUT	2 (1 x L + R per zone)	1 (1 x L + R zone 1)	2 (1 x L + R per zone)	1 x RCA output	No
SUBWOOFER OUT	2 (1 per zone)	No	1 (zone 1)	No	No
AUXILIARY INPUTS	1 x RCA input	1 x RCA input	1 x RCA input	2 x RCA inputs	No

## SOURCES

TUNER	AM/FM with RDS (where available)	AM/FM with RDS (where available)	AM/FM with RDS (where available)	AM/FM	AM/FM
BUILT-IN WI-FI	No	No	No	No	No
iPod/iPhone	Yes	No	Yes	Yes	Yes
ANDROID/WINDOWS MTP SUPPORT	Yes	No	No	No	No
AOA SUPPORT	Yes	No	Yes	Yes	Yes
USB	Yes - 1 connection	No	Yes - 1 connection	Yes - 1 connection	Yes - 1 connection
BLUETOOTH WIRELESS TECHNOLOGY	Yes	Yes	Yes	Yes	Yes
SIRIUSXM READY	Yes (continental U.S. and Canada only)	No	No	No	No
DVD/CD VIA hdmi CONNECTION	No	No	No	No	No
DVD/CD VIA COMPOSITE AND COMPONENT CONNECTIONS	No	No	No	No	No
AUDIO RETURN CHANNEL (ARC)	No	No	No	No	No
OPTICAL AUDIO INPUT	No	No	No	No	No
DAB+ READY	Yes	No	Yes	No	No

## CONNECTIVITY

FUSION-LINK VIA NMEA 2000	Yes	No	Yes	No	No
FUSION-LINK VIA ETHERNET/WI-FI	No	No	No	No	No
FUSION-LINK VIA BLUETOOTH	Yes	No	Yes	Yes	Yes
FUSION-LINK VIA ANT TECHNOLOGY	Yes	No	Yes	Yes	Yes

## MECHANICAL DESIGN

WATER RESISTANCE (IPX RATING)	IPX6 and IPX7 front panel	IPX5 front panel	IPX3 Black Box with IPX7 remote	IP65	IPX7 / floats
CHASSIS	Electrically isolated impact-resistant plastic	Cast aluminum	Aluminum	Sealed chassis	Polycarbonate with TPE overmold
MOUNTING OPTIONS	Flush and flat	Flush and bail	Flush and flat (remote)	Flush, flat and surface	Puck mount / screw, adhesive pad and puck
WARRANTY	1 year	1 year	1 year	1 year	2 years

# SIGNATURE SERIES SPEAKER COMPARISON



**SG-FL882SPW**  
**SG-FL882SPC**



**SG-F882W**



**SG-FL772SPW**  
**SG-FL772SPC**



**SG-F772W**



**SG-FL652SPW**  
**SG-FL652SPC**



**SG-F652W**



**SG-TW10**



**SG-FT88SPWC**  
**SG-FT88SPC**

## SPECIFICATIONS

SPEAKER SIZE	8.8"	8.8"	7.7"	7.7"	6.5"	6.5"	1"	8.8"
PEAK POWER (WATTS)	330	330	280	280	230	230	330	330
RMS POWER RATING (WATTS)	130	130	100	100	75	75	60	130
EFFICIENCY (1W/1M)	91dB	91dB	91dB	91dB	90dB	90dB	91dB	91dB
FREQUENCY RESPONSE	50Hz - 20kHz	50Hz - 20kHz	60Hz - 22kHz	60Hz - 22kHz	70Hz - 22kHz	70Hz - 22kHz	3kHz - 20kHz	50Hz - 20kHz
IMPEDANCE	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
TWEETER TYPE	Silk dome	Silk dome	Silk dome	Silk dome	Silk dome	Silk dome	Aluminum dome	Silk dome
CONE MATERIAL	CURV	CURV	CURV	CURV	CURV	CURV	N/A	CURV
VOICE COIL DIAMETER	1.5"	1.5"	1.4"	1.4"	1.2"	1.2"	1"	1.5"
MOUNTING DIAMETER CLEARANCE	188 mm [7-3/8"]	188 mm [7-3/8"]	156 mm [6-1/8"]	156 mm [6-1/8"]	136 mm [5-3/8"]	136 mm [5-3/8"]	51 mm [2"]	(Enclosure Diameter) 224 mm [8-13/16"]
MOUNTING DEPTH CLEARANCE	105 mm [4-1/8"]	105 mm [4-1/8"]	86 mm [3-3/8"]	86 mm [3-3/8"]	79 mm [3-1/8"]	79 mm [3-1/8"]	31 mm [1-1/4"]	(Enclosure Depth) 381 mm [15"]
LED LIGHTING	CRGBW (Red, Green, Blue, Warm White, Cool White)	No	CRGBW (Red, Green, Blue, Warm White, Cool White)	No	CRGBW (Red, Green, Blue, Warm White, Cool White)	No	No	White / Blue
WARRANTY	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years

# XS SERIES SPEAKER COMPARISON



**XS-FL77SPGW**



**XS-F77CWB**



**XS-FL65SPGW**



**XS-F65CWB**

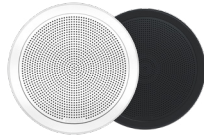


**XS-F40CWB**

## SPECIFICATIONS

SPEAKER SIZE	7.7"	7.7"	6.5"	6.5"	4"
PEAK POWER (WATTS)	240	240	200	200	120
RMS POWER RATING (WATTS)	60	60	50	50	30
EFFICIENCY (1W/1M)	92dB	92dB	91dB	91dB	87dB
FREQUENCY RESPONSE	70Hz - 18kHz	70Hz - 18kHz	80Hz - 18kHz	80Hz - 18kHz	100Hz - 18kHz
IMPEDANCE	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
TWEETER TYPE	Aluminum dome	Aluminum dome	Aluminum dome	Aluminum dome	Aluminum dome
CONE MATERIAL	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
VOICE COIL DIAMETER	1.18"	1.18"	1.18"	1.18"	1"
MOUNTING DIAMETER CLEARANCE	162 mm [6-3/8"]	162 mm [6-3/8"]	135 mm [5-5/16"]	135 mm [5-5/16"]	99 mm [3-7/8"]
MOUNTING DEPTH CLEARANCE	77 mm [3"]	77 mm [3"]	67 mm [2-2/8"]	67 mm [2-2/8"]	54 mm [2-1/8"]
LED LIGHTING	RGB	No	RGB	No	No
WARRANTY	3 years	3 years	3 years	3 years	3 years

# FM SERIES / SM SERIES / SPEAKER COMPARISON



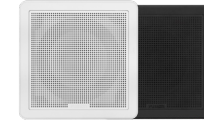
**FM-F77RW**  
**FM-F77RB**



**FM-F77SW**  
**FM-F77SB**



**FM-F65RW**  
**FM-F65RB**



**FM-F65SW**  
**FM-F65SB**



**SM-F65CW**  
**SM-F65CB**

## SPECIFICATIONS

SPEAKER SIZE	7.7"	7.7"	6.5"	6.5"	6.5"
PEAK POWER (WATTS)	200	200	120	120	100
RMS POWER RATING (WATTS)	50	50	30	30	-
EFFICIENCY (1W/1M)	91dB	91dB	87dB	87dB	84dB
FREQUENCY RESPONSE	80Hz - 18kHz	80Hz - 18kHz	100Hz - 18kHz	100Hz - 18kHz	150Hz - 20kHz
IMPEDANCE	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
TWEETER TYPE	Aluminum dome	Aluminum dome	Aluminum dome	Aluminum dome	-
CONE MATERIAL	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
MOUNTING DIAMETER CLEARANCE	165 mm [6-1/2"]	165x165 mm [6-1/2"x 6-1/2"]	138 mm [5-7/16"]	138x138 mm [5-7/16"x 5-7/16"]	130 mm [5-1/8"]
MOUNTING DEPTH CLEARANCE	83 mm [3-1/4"]	83x83 mm [3-1/4"x 3-1/4"]	70 mm [2-3/4"]	70x70 mm [2-3/4"x 2-3/4"]	24 mm [15/16"]
LED LIGHTING	No	No	No	No	No
WARRANTY	3 years	3 years	3 years	3 years	1 year

# FR SERIES / EL SERIES / SOUND-PANEL / SPEAKER COMPARISON



**MS-FR7021**  
**MS-FR7022**



**MS-FR6021**  
**MS-FR6022**



**MS-FR4021**



**EL-F651SPG**



**EL-F651W**  
**EL-F651B**



**RV-FS402W**  
**RV-FS402B**



**MS-CL602**



**MS-OS420**

## SPECIFICATIONS

SPEAKER SIZE	7"	6"	4"	6.5"	6.5"	471 mm x 211 mm [18-9/16" x 8-5/16"]	6"	4"
PEAK POWER (WATTS)	260	200	120	80	80	200 total (100 per speaker connection)	120	100
RMS POWER RATING (WATTS)	-	-	-	-	-	50 total (25 per speaker connection)	40	25
EFFICIENCY (1W/1M)	91dB	90dB	87dB	88dB	88dB	87dB	89dB	86dB
FREQUENCY RESPONSE	60Hz - 22kHz	70Hz - 22kHz	90Hz - 22kHz	45Hz - 16kHz	45Hz - 16kHz	67Hz - 20kHz	(-10dB/-3dB) 50Hz - 20kHz / 85Hz - 20kHz	80Hz - 20kHz
IMPEDANCE	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	6 ohms	4 ohms
TWEETER TYPE	Titanium dome	Titanium dome	Titanium dome	N/A	N/A	Silk dome	Silk dome	PEI
CONE MATERIAL	CURV	CURV	CURV	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
MOUNTING DIAMETER CLEARANCE	156 mm [6-1/8"]	130 mm [5-1/8"]	98 mm [3-7/8"]	130 mm [5-1/8"]	130 mm [5-1/8"]	431 mm x 171 mm [17" x 6-3/4"]	206 mm [8-1/8"]	200 mm x 137 mm [7-7/8" x 5-3/8"]
MOUNTING DEPTH CLEARANCE	78 mm [3-1/16"]	72 mm [2-7/8"]	54 mm [2-1/8"]	43 mm [1-11/16"]	43 mm [1-11/16"]	43 mm [1-11/16"]	78 mm [3-1/16"]	163 mm [6-7/16"]
LED LIGHTING	No	No	No	RGB	No	No	No	No
WARRANTY	3 years	3 years	3 years	1 year	1 year	1 year	1 year	1 year

# SIGNATURE SERIES AMPLIFIER COMPARISON



**SG-DA12250**



**SG-DA41400**



**SG-DA51600**



**SG-DA61500**



**SG-DA82000**

## SPECIFICATIONS

PEAK POWER (WATTS)	2250	1400	1600	1500	2000
AMPLIFIER CLASS	Class-D	Class-D	Class-D	Class-D	Class-D
FREQUENCY RESPONSE	10Hz - 300Hz - 3dB (subwoofer)	10Hz - 50kHz - 3dB	10Hz - 50kHz - 3dB	10Hz - 40kHz - 3dB	10Hz - 40kHz - 3dB
OPERATING VOLTAGE	10.8 - 16 V	10.8 - 16 V	10.8 - 16 V	10.8 - 16 V	10.8 - 16 V
MAXIMUM OPERATING CURRENT	120A	80A	80A	75A	100A
FUSE RATINGS	3 x 40A	2 x 40A	2 x 40A	3 x 40A	4 x 40A
UNDER/OVER VOLTAGE PROTECTION	Yes	Yes	Yes	Yes	Yes
TOTAL RATED POWER OUTPUT 4 OHM	500 W RMS x 1 @ 14.4 V - 4 ohm 1% THD	150 W RMS x 4 @ 14.4 V - 4 ohm 1% THD	80 W RMS x 4 + 250 W RMS x 1 @ 14.4 V - 4 ohm 1% THD	100 W RMS x 6 @ 14.4 V - 4 ohm 1% THD	100 W RMS x 8 @ 14.4 V - 4 ohm 1% THD
TOTAL RATED POWER OUTPUT 2 OHM	850 W RMS x 1 @ 14.4 V - 2 ohm 1% THD	220 W RMS x 4 @ 14.4 V - 2 ohm 1% THD	130 W RMS x 4 + 330 W RMS x 1 @ 14.4 V - 2 ohm 1% THD	140 W RMS x 6 @ 14.4 V - 2 ohm 1% THD	140 W RMS x 8 @ 14.4 V - 2 ohm 1% THD
TOTAL RATED POWER OUTPUT	1100 W RMS x 1 @ 14.4 V - 1 ohm 1% THD	440 W RMS x 2 @ 14.4 V - 4 ohm bridged 1% THD	250 W RMS x 2 @ 14.4 V - 4 ohm bridged 1% THD + 250 W RMS x 1 @ 14.4 V - 4 ohm 1% THD	280 W RMS x 3 @ 14.4 V - 4 ohm bridged 1% THD	280 W RMS x 4 @ 14.4 V - 4 ohm bridged 1% THD
SIGNAL TO NOISE RATIO (AT 4 OHM RATED POWER OUTPUT)	>80dB	>95dB	>95dB	>85dB	>85dB
SEPARATION/CROSSTALK	-	>45dB	>45dB	>60dB	>60dB
HP VARIABLE Crossover	10Hz - 80Hz (subwoofer)	32Hz - 320Hz	32Hz - 320Hz	32Hz - 320Hz	32Hz - 320Hz
LP VARIABLE Crossover	32Hz - 320Hz (subwoofer)	32Hz - 320Hz	32Hz - 320Hz	32Hz - 320Hz	32Hz - 320Hz
MOUNTING DIMENSIONS	Length: 300 mm [11-13/16"] Width: 210 mm [8-1/4"] Height: 50 mm [2"]	Length: 300 mm [11-13/16"] Width: 210 mm [8-1/4"] Height: 50 mm [2"]	Length: 300 mm [11-13/16"] Width: 210 mm [8-1/4"] Height: 50 mm [2"]	Length: 420 mm [16-9/16"] Width: 210 mm [8-1/4"] Height: 57 mm [2-1/4"]	Length: 420 mm [16-9/16"] Width: 210 mm [8-1/4"] Height: 57 mm [2-1/4"]
WARRANTY	3 years	3 years	3 years	3 years	3 years

# AMPLIFIER COMPARISON



**MS-AM504**



**MS-AM402**



**MS-AM702**

## SPECIFICATIONS

PEAK POWER (WATTS)	500	400	140
AMPLIFIER CLASS	Class-AB	Class-AB	Class-D
FREQUENCY RESPONSE	5Hz - 38kHz - 3dB	5Hz - 38kHz - 3dB	10Hz - 20kHz
OPERATING VOLTAGE	10.8 - 16 V	10.8 - 16 V	10.8 - 16 V
MAXIMUM OPERATING CURRENT	50A	25A	10A
FUSE RATINGS	2 x 25A	1 x 25A	1 x 10A
UNDER/OVER VOLTAGE PROTECTION	No	No	Under voltage protection only
TOTAL RATED POWER OUTPUT 4 OHM	65 W RMS x 4 @ 14.4 V - 4 ohm 1% THD	65 W RMS x 2 @ 14.4 V - 4 ohm 1% THD	20 W RMS x 2 @ 14.4 V - 4 ohm 10% THD
TOTAL RATED POWER OUTPUT 2 OHM	100 W RMS x 4 @ 14.4 V - 2 ohm 1% THD	100 W RMS x 2 @ 14.4 V - 2 ohm 1% THD	30 W RMS x 2 @ 14.4 V - 2 ohm 10% THD
TOTAL RATED POWER OUTPUT 4 OHM BRIDGED	200 W RMS x 2 @ 14.4 V - 4 ohm Bridged 1% THD	200 W RMS x 1 @ 14.4 V - 4 ohm Bridged 1% THD	-
SIGNAL TO NOISE RATIO (AT 4 OHM RATED POWER OUTPUT)	>95dB	>95dB	>95dB
SEPARATION/CROSSTALK	>60dB	>60dB	>55dB
HP VARIABLE CROSSOVER	40Hz - 600Hz	40Hz - 600Hz	60Hz - 600Hz
LP VARIABLE CROSSOVER	40Hz - 160Hz	40Hz - 160Hz	-
MOUNTING DIMENSIONS	Length: 366 mm [14-7/16"] Width: 299 mm [9"] Height: 53 mm [2-1/16"]	Length: 296 mm [11-2/3"] Width: 299 mm [9"] Height: 53 mm [2-1/16"]	Length: 128 mm [5-1/16"] Width: 78 mm [3-1/16"] Height: 51 mm [2"]
WARRANTY	1 year	1 year	3 years



# SUBWOOFER COMPARISON



**SG-S102W**



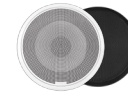
**SG-SL102SPW**  
**SG-SL102SPC**



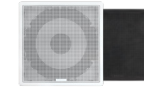
**XS-SL10SPGW**



**XS-S10CWB**



**FM-S10RW**  
**FM-S10RB**



**FM-S10SW**  
**FM-S10SB**



**MS-SW10**

## SPECIFICATIONS

SUBWOOFER SIZE	10"	10"	10"	10"	10"	10"	10"
PEAK POWER (WATTS)	600	600	600	600	400	400	400
RMS POWER RATING (WATTS)	300	300	120	120	120	120	200
EFFICIENCY (1W/1M)	86dB	86dB	86dB	86dB	86dB	86dB	86dB
MAGNETIC STRUCTURE	68 oz	68 oz	41 oz	41 oz	41 oz	41 oz	60 oz
FREQUENCY RESPONSE	30Hz - 2kHz	30Hz - 2kHz	30Hz - 2kHz	30Hz - 2kHz	30Hz - 2kHz	30Hz - 2kHz	30Hz - 2kHz
IMPEDANCE	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
VOICE COIL DIAMETER	2"	2"	1.5"	1.5"	1.5"	1.5"	1.5"
MOUNTING DIAMETER CLEARANCE	223 mm [8-3/4"]	223 mm [8-3/4"]	223 mm (8-3/4")	223 mm (8-3/4")	269 mm [10-9/16"]	269 mm x 269 mm (10-9/16" x 10-9/16")	222 mm [8-3/4"]
MOUNTING DEPTH CLEARANCE	133 mm [5-1/4"]	133 mm [5-1/4"]	113 mm (4-1/2")	113 mm (4-1/2")	140 mm (5-1/2")	140 mm (5-1/2")	117 mm [4-5/8"]
LED LIGHTING	No	CRGBW (Red, Green, Blue, Warm White, Cool White)	RGB	No	No	No	No
WARRANTY	3 years	3 years	3 years	3 years	3 years	3 years	3 years