



2006 CATALOG



MC111M Communication System

This versatile, high-performance residential system lets you communicate throughout your entire home – up to 9 rooms plus 2 doors (each door speaker's doorbell button sounds a unique chime). The MC111M lets you communicate to all rooms simultaneously – and monitor occupants in their rooms.

dmc1 Music/Communication System

The next generation of M&S music/communication systems offers much more than just good looks. Designed for today's home, the dmc1 offers the homeowner the peace of mind of being able to monitor what's going on in and outside their home. The dmc1 is 30% smaller with a more functional yet elegant style.

dmc3-4 Music/Communication Retrofit System

Engineered to run on existing wires, the dmc retrofit will replace most older M&S Systems and NuTone intercoms. Unique retrofit finish-out frames make installation easy by virtually eliminating the need for wall repairs. The dmc retrofit also offers an optional 6-disc CD changer.





MC111M Intercom

System Specs

- Supports 9 room stations / 2 door speakers
- Speaker remote volume / source control
- 12W maximum output power
- Frequency response: 17Hz - 30KHz
- 1 music source input
- Optional door release feature (MC111DM)
- Dimensions: 6"W x 8"H



DS3B Door Speaker

System Specs

- Wall mount intercom door speaker
- Lighted bell button
- Recessed or surface mounting
- 3" weather-resistant speaker
- Dimensions: 4-1/8"W x 6-1/4"H

dmc1 Main Unit - For New Construction

System Specs

- Supports 15 room stations and 3 door speakers
- Speaker remote volume / source control
- Frequency response: 20Hz - 20KHz
- 8AM / 8FM music presets
- 30W (RMS) maximum output power
- 2 music source inputs
- Programmable monitor override
- Privacy / intercom only / door release feature
- Stereo upgrade path with optional power amp
- Wireless remote control option
- Automatic on/off feature
- Dimensions: dmc1 (15-1/4"W x 5-5/16" H),
dmc1 w/CD (16"W x 15-1/4"H) dmc1RS (5-1/2"W x 5-1/2"H)



Shown with optional 6-disc changer and room station



Shown with optional 6-disc changer

dmc3-4 Main Unit - Replaces Existing Systems

System Specs

- Supports up to 15 room stations and 3 door speakers
- Frequency response: 20Hz - 20KHz
- 30W (RMS) maximum output power
- 2 music source inputs
- 8AM / 8FM music presets
- Stereo upgrade path w/optional power amp
- Speaker remote volume / source control
- Intercom only / door release feature
- Automatic on/off feature
- Wireless remote control option



dmc1CD 6-Disc Changer

Now you can fill your home or patio with more than seven hours of music from your favorite CDs - without reloading. The dmc1CD features a pull-out magazine that holds up to six discs.

dmc1RS Room Station with Remote Scan

Also available: **dmc1R** (with no remote scan)

dmc1RW (weather resistant)
5-1/2"W x 5-1/2"H



XDM | music/communication system

XDM Music/Communication System

The XDM4600 is an expandable integrated digital audio system, offering both whole house digital music and communication from six audio sources to four zones in the home. The Zone Keypads and the Door Station have intercom functions (page all, listen all, front door) for communication throughout the home.

XDM's standard 2-gang size is amazingly compact. But don't let its compactness fool you. No oversized system can match what XDM's integrated digital technology brings to your home. We upgraded every aspect of the XDM – except its price. XDM is how M&S lets you deliver your voice, your music, anywhere in your home.



XDM4600KIT Music/Communication System

Systems Specifications

The XDM system kit includes: 1 Central Controller XDM46CC, 4 Keypads XDM46K, 1 Universal Remote XDM46R, 6 IR Emitters XDMIRE and 1 Door Speaker DS3B2.

- Frequency response: 20hz – 20KHz, +/- 0.5db max
- Total Harmonic Distortion: .2% max
- Signal-to-Noise Ratio: 95db minimum
- Power supply 110 volts
- 60 Watts per zone
(30 Watts per channel, 8-ohm speakers only)
- Class D amplifiers reside with each keypad
- Fully functional keypad with IR receiver
- 4 stereo channels, expandable to 8 stereo channels



XDM4600KIT shown with optional WG100C WG Series speakers



Central Controller **XDM46CC** is the brain of xdm, routing music from the sources you choose to the room where you want it heard.



Central Controller **XDM46CC** (back) provides a simple plug-and-play to connect the six audio sources.



Expansion Hub **XDM46EH**



Keypad **XDM46K**



Door Speaker **DS3B2**

Optional XDM Accessories

XDMWP

Local Audio Wall Plate

XDM46EH

Xtreme Digital Music Expansion Hub

XDMIRE

IR Emitter Replacement Pack

XDMCKIT

Replacement Connector Kit

XDM46K

Xtreme Digital Music Keypad

XDM46R

Xtreme Digital Music Universal Remote

NOTE: Remote cannot select audio sources

DS3B2

Intercom Door Speaker with Bell Button

8-ohm | stereo speaker systems

Built-in Ceiling/Wall Speakers

M&S built-in speakers, subtly recessed into your walls and ceilings, give you the audio quality of freestanding speakers – without loss of room space. The full M&S array of built-in speakers – including the WG Series and SUM subwoofer, maximize the sound quality of any home theater or whole-house sound system.

Home Entertainment Speaker Systems

Bring home the ultimate in surround sound – M&S Platinum or Mini-Cube Home Theater Series. The advanced engineering of these compact mini-cube systems provides balanced frequency response while eliminating interference and vibration.

Outdoor Speakers

Your life extends outside the walls of your home. So why not take your music with you? You can with M&S outdoor speakers – either our elegant cubes or decorative fiberglass "rocks" that blend into your patio or garden environment.



WG Series Built-In Ceiling and Wall Speakers

- Adjustable 3-position dB switches for customizing woofer and tweeter level
- Gold plated spring-loaded speaker terminals
- Cam-lock mounting system with rubber padded mounting clamps reduce vibration
- IR lens for mounting infrared receiver behind speaker grill (in-wall only)
- Speaker frame separates from baffle for ease of installation (in-wall only)



WG100C 6-1/2" Ceiling Speaker

Frequency Response: 50Hz to 20kHz (+/-3dB)
 Maximum Power Rating: 100 Watts
 Overall Specifications: 9" diameter
 Specifications: 6-1/2" Kevlar cone with butyl rubber surround; 1" asymmetrical pivoting aluminum dome tweeter
 Mounting Ring: MR6C (8-3/16" diameter)
 Grille: White Paintable Aluminum

WG100W 6-1/2" In-Wall Speakers

Frequency Response: 50Hz to 20kHz (+/-3dB)
 Maximum Power Rating: 100 Watts
 Overall Specifications: 9"W x 12-5/16"H
 Specifications: 6-1/2" Kevlar cone with butyl rubber surround; 1" asymmetrical pivoting aluminum dome tweeter
 Mounting Ring: MR6W (11-1/4"H x 7-15/16"W)
 Grille: White Paintable Aluminum

WG150C 8" Ceiling Speaker

Frequency Response: 35Hz to 20kHz (+/-3dB)
 Maximum Power Rating: 150 Watts
 Overall Specifications: 10-7/8" diameter
 Specifications: 8" Kevlar cone with butyl rubber surround; 1" asymmetrical pivoting aluminum dome tweeter
 Mounting Ring: MR8C (10-1/16" diameter)
 Grille: White Paintable Aluminum

WG150W 8" In-Wall Speakers

Frequency Response: 35Hz to 20kHz (+/-3dB)
 Maximum Power Rating: 150 Watts
 Overall Specifications: 10-1/4"W x 14-15/16"H
 Specifications: 8" Kevlar cone with butyl rubber surround; 1" asymmetrical pivoting aluminum dome tweeter
 Mounting Ring: MR8W (13-3/16"H x 9-3/16"W)
 Grille: White Paintable Aluminum

Built-In Wall and Ceiling Speakers with 1" Swivel Tweeter



S100W 6-1/2" In-Wall Speaker

Frequency Response: 40 Hz to 20 kHz
 Maximum Power Rating: 100 Watts

S50W 6-1/2" In-Wall Speaker

Frequency Response: 50 Hz to 16 kHz
 Maximum Power Rating: 50 Watts

S40W 5-1/4" In-Wall Speaker

Frequency Response: 60 Hz to 20 kHz
 Maximum Power Rating: 40 Watts

S100C 8" Ceiling Speaker

Frequency Response: 35 Hz to 20 kHz
 Maximum Power Rating: 100 Watts

S50C 6-1/2" Ceiling Speaker

Frequency Response: 50 Hz to 20 kHz
 Maximum Power Rating: 50 Watts

S40C 6-1/2" Ceiling Speaker

Frequency Response: 60 Hz to 20 kHz
 Maximum Power Rating: 40 Watts



PACKHT (Shown)

- 5 - S100W Wall Speakers
- 1 - SUM Passive Subwoofer
- 1 - SAMB Mounting Bracket
- 1 - HTWP Home Theater Wall Plate

PACKHTNS

- 5 - S100W Wall Speakers
- 1 - HTWP Home Theater Wall Plate

SUM 8" Passive In-Wall Subwoofer w/Dual Voice Coil

Frequency Response: 35 Hz to 120 Hz
 Maximum Power Rating: 150 Watts
 Requires SAMB mounting ring.



8-ohm | stereo speaker systems



Platinum Series Home Theater System

The Platinum Home Theater System is fine tuned to deliver the highest level of sound quality available. The mini-cubes, center channel, and subwoofer offer a Medium Density Fiber (MDF) enclosure to enhance clarity and reduce vibration.

MNCXS - White Cubes

MNCXSB - Black Cubes

MNCXSM - Mixed Cubes

MNCXCB Center Channel

Now add this acoustically matched center channel. Like the mini-cubes, it offers shielded speaker magnets to eliminate interference to your other home theater components. 150 Hz to 20 kHz @ 100 Watts

MNCX Mini Cube - White MNCXB Mini Cube - Black

These powerful mini-cube speakers can be freestanding, wall or ceiling mounted. The dual pivoting feature provides optimum sound coverage in any room. 150 Hz to 20 kHz @ 100 Watts



PSW112 Subwoofer

This down-firing 30 Hz to 140 Hz 12" subwoofer provides a powerful, line-level input 100-watt RMS amplifier with a variable crossover – adjustable high-pass frequency from 40Hz to 140Hz, includes crossover bypass switch.



Mini-Cube Home Theater System

The MNCS Home Theater Package is everything you need to go beyond hearing. Absorb the music. Feel it. Almost touch it as the M&S sound swirls around you.



PSW108 Subwoofer

The PSW108 is a down-firing 8" subwoofer with a line-level input 100-watt RMS amplifier delivering rich resounding bass with an expanded frequency range of 40 Hz to 300 Hz.

MNCC Center Channel Speaker

With dual 4" speakers, the MNCC can deliver 70-watts of mid-range sound. 250 Hz to 15 kHz, 4-ohms*

MNC Mini-Cubes (White)

Small size – big sound. That's what you get from our elegant mini-cube speakers. Mount them on your walls or ceiling. They pivot for optimum range and impact. Ideal for home theaters or small rooms. 250 Hz to 15 kHz, 4-ohms*

* Works with 8-ohm systems



FSHW/FSHWB Indoor/Outdoor Cube Speakers

If space is a concern, the FSHW offers small size but big sound from its polyimide dome tweeter. Or remove the mounting bracket to use this powerful cube as a freestanding speaker – indoors or out.

Frequency Response	100 Hz to 18 kHz
Maximum Power Rating	50 Watts
Impedance	8 Ohm
Overall Dimensions	8" W x 5-1/4" H x 4-1/2" D
Specifications	2-way; 4" Woofer 1/2" Tweeter
Mounting	Aluminum Hanger Bracket w/Hardware
Grille	Aluminum
Color	FSHW (White) / FSHWB (Black)



ROCK8G/8R Outdoor Speakers

Your life extends outside the walls of your home. So why not take your music with you. You can with M&S outdoor speakers – either our elegant cubes or decorative fiberglass "rocks" that blend into your patio or garden environment.

Frequency Response	100 Hz to 20 kHz
Maximum Power Rating	100 Watts
Impedance	8 Ohm
Overall Dimensions	19-1/2" W x 13-1/2" H x 13-1/4" D
Specifications	2-way; 8" Woofer 2-1/2" Tweeter
Material	Fiberglass
Color	Granite (G) / Rust (R)



WS5 Indoor/Outdoor Speakers

The latest addition to our outdoor line is the WS5 weather-resistant speaker. Housed within its stylish exterior is a 5-1/4" woofer and 1" titanium dome tweeter, capable of producing extraordinary sound reproduction.

Frequency Response	65 Hz to 20 kHz
Maximum Power Rating	70 Watts
Impedance	8 Ohm
Overall Dimensions	7-1/4" W x 9-5/8" H x 6-1/2" D
Specifications	2-way; 5-1/4" Woofer 1" Titanium Dome Tweeter
Mounting	Aluminum Hanger Bracket w/Hardware
Color	White

Accessories



SS1 Impedance Matching Speaker Selector

Now you can control up to 6 pairs of stereo speakers from this freestanding impedance-matching selector. Single- or dual-source. Up to 100 watts RMS power/channel.



IM1/IM1D Volume Controls

Our easy-to-install wall-mount autoformer volume controls do more than let you adjust sound levels within a room. They are designed to provide impedance matching to minimize sound distortion for up to 8 pairs of 8-ohm speakers. Models are stereo, 75 watts, and available in standard and decora design.



SL2/SL4/HTWP/HTWP7 Wall Plates

It's never been easier to connect your freestanding stereo speakers. Our wall plate binding posts support direct wire, spade lug, and banana jack speaker wire connections. Available plates can accommodate a single speaker pair, dual speaker pair or a complete 5.0 or 7.1* home theater system. * 7.1 Wall Plate not pictured

The All New AirVac

AirVacs' sleek, new modular design houses a more powerful, yet efficient motor that lowers operating costs and reduces allergy-causing agents as well as noise. To protect you from dirt, dust, dust mites, pet dander and other pollutants, AirVac utilizes two-stage air filtration within the power unit. This power unit is generally located away from living areas keeping them pollution free. Both the EPA and the National Lung Association call this a definite health benefit. Bottom access to an ergonomic bucket design makes it easier to remove collected home debris.



The AirVac Power Units

AirVac's central vacuum systems are designed to meet homeowner needs in all price categories and provide an upgrade solution for existing vacuum customers. With four models each in both the **Platinum** and **Red Series**, consumers can choose either bagged or bagless systems for homes ranging in size from 3,000 to 12,000 square feet.

- **Superior Cleaning** - high-efficiency, two-stage filtration media for a cleaner, healthier home.
- **Improved Air Quality** - power unit exhausts outside living area so dust & dirt doesn't recirculate
- **High Performance** - high air watt rating while maintaining low operating noise
- **Bottom Access** - easy removal of collected debris.
- **Intake Ports on Either Side** - allows more flexibility in installation.



Red Series Model (bagless)



Platinum Series Model (bagged)

AirVac's sleek new modular design reduces your storage and shipping space needs by half!



EXTRA SMART - four-color segmented display on the Platinum Series shows bag debris level, two-color status indicator shows power and motor life.

Red Series Bagless Central Vacuum System

	Motor Type	Water Lift (in H2O)	Air Flow (CFM)	Air Watts (peak)	Filtration	Waste Capacity	Home Sq. Ft. (up to)
AVR3000	2-stage, 120V	123	118	537	to .1 micron	6 gal	3,000
AVR7500	2-stage, 120V	131	118	551	to .1 micron	6 gal	7,500
AVR12000	2-stage, 120V	127	122	570	to .1 micron	6 gal	12,000
AVR24000	2-stage, 240V	137	124	627	to .1 micron	6 gal	12,000

Platinum Series Bagged Central Vacuum System

	Motor Type	Water Lift (in H2O)	Air Flow (CFM)	Air Watts (peak)	Filtration	Waste Capacity	Home Sq. Ft. (up to)
AVP3000	2-stage, 120V	123	118	537	to .1 micron	5.2 gal	3,000
AVP7500	2-stage, 120V	131	118	551	to .1 micron	5.2 gal	7,500
AVP12000	2-stage, 120V	127	122	570	to .1 micron	5.2 gal	12,000
AVP24000	2-stage, 240V	137	124	627	to .1 micron	5.2 gal	12,000

VM1200S Air-Driven Turbo System Packages

Non-electric system provides maximum economy.

Features:

- 30-foot low-voltage crush-proof swivel hose with on/off switch (V400S)
- Air-driven 12" turbo carpet brush (VM179B)
- Deluxe horsehair tools
- VMTE Telescopic Vacuum Accessory Wand
- Hose rack and cloth caddy bag for tools



VM2200DS Standard Electric Packages

Value electric system with separate electric cord.

Features:

- 30-foot crush-proof high/low voltage swivel hose with 3-position switch (V510PS)
- Deluxe 14" self adjusting electric carpet brush with head light (VM458)
- Deluxe horsehair tools
- VMTC - The telescopic wand with cord management adjusts to fit you
- Hose rack and cloth caddy bag for tools



VM4200DS Deluxe SuperSystem Packages

The ultimate accessory package. No additional plug-in cords needed.*

Features:

- Deluxe direct-connect 30-foot crush-proof high/low voltage swivel hose with 3-position switch (V610PS)
- Deluxe 14" self adjusting electric carpet brush with head light (VM458)
- Deluxe horsehair tools
- VMTC - The telescopic wand with cord management adjusts to fit you
- Hose rack and cloth bag for tools

*When used with VMVP valve, with 120V wiring. All tool kit contents subject to change without notice.



VMTKD Deluxe Tool Kit

Featuring high-quality horsehair bristles and premium black finish. Stylish cloth caddy organizes and stores components.

Kit Includes:

- Adjustable carpet/floor tool
- Floor/wall tool
- Crevice tool
- Dusting brush
- Upholstery tool with brush
- Button-lock wand
- VMTE - Telescopic Vacuum Accessory Wand



VMGAR Deluxe Garage/Car Tool Kit

Stays "right-on-the-spot" so it's easier to keep garages and vehicles clean. Comes with its own hose and tools so indoor accessories don't get dirty. Tools feature horsehair bristles and black finish.

Kit Includes:

- 30-foot crushproof hose and rack
- Upholstery tool with brush
- Floor/wall tool
- VMTEP Plastic Telescopic Vacuum Wand
- Dusting brush
- On-board tool caddy
- Crevice tool



VM458
Self Adjusting Deluxe Electric Carpet Brush

- Pivoting neck with 90 degree movement and 180° neck swivel, allows handle to lay flat to clean under furniture
- Built in dry squeegee, effective cleaning on hard surfaces, enhanced cleaning on low-pile carpet
- Double chevron composite brushroll, consistency in materials even drag on motor and belt
- Convenient quick release pedal



VMSP
Automatic Dust Pans

- Just open the port, sweep dirt directly in and system whisks it away!
- Ideal for dry-spill areas such as kitchens, workshops, entryways, etc.

Available in black, white and almond

VPANW Flush Mount

Available in black, white and almond



VMVP
Electric SuperSystem High-Voltage Inlet Valve

- In white and almond

VMVPL – Includes “Smart” LED light.

Rough-in required for SuperSystem inlets:

VM612 - Polarized with recessed plug, 6 ft.



VM179B
Air-Driven Turbo Carpet Brush

- Economical
- 12” cleaning width
- Requires no electricity



VM195
Standard Plastic Wall Inlet Valves

- In white, almond and black

VM195 – Includes “Smart” LED light.



VM178
Air Driven Turbo Carpet Brush

- Economical 10” brush
- Requires no electricity



VMMUF
Noise-Reducing Exhaust Muffler

- Substantially reduces operating noise by up to 6 decibels.
- Retrofits easily into existing power units.

Note: The new AirVac Red and Platinum Series includes this noise-reducing muffler.



VM252
Deluxe Floor/Wall Tool

- Use on hardwoods, tile and linoleum
- Black with horsehair bristles



VM204
30-ft. Fabric Hose Cover

- Washable cover protects walls, floors, moulding and trim
- Keeps hoses looking new

VM205 – Deluxe padded

VM700 – Deluxe padded with zipper



Linear[®]

Electronic Sales

Linear Home Technologies Brands

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m&s[®]
SYSTEMS
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Purely Powerful

Linear SECURITY[™]

M&S Systems.
Part of the family
of Linear residential
products.

M&S Systems Music/Communication, 8-ohm Speaker and AirVac Central Vacuum Systems are manufactured by Linear LLC and marketed through Linear Electronic Sales. As top brands of Linear Electronic Sales, M&S Systems and AirVac help make up one of the broadest offerings in the home technologies market. Other Linear Electronic Sales brands include OpenHouse structured wire products, ChannelPlus audio, video, and data distribution products, Linear Security wireless security products, and Linear Access products for access control.

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