

## M&S Systems 2-Year Warranty

M&S Systems warrants its products to be free of defects for 2 years. Except for the AirVac Gold power units (See below.) The warranty period begins on either (a) the date of purchase or installation date of this product, or (b) the date of closing on a new residence in which this product was originally installed.

The warranty extends to the original user of the product and to each subsequent owner of the product during the term of the warranty. M&S will repair or replace, at its option, parts and materials at not charge. Parts supplied under this warranty may be new or rebuilt at the option of M&S Systems.

If, during the warranty period, the product appears to have a defect, please call our toll free service number (800-366-9422) prior to dismantling. Dismantling the product prior to calling our service number may void the warranty. Before returning any product to M&S Systems, obtain a Return Authorization Number (RAN) from our service department. M&S Systems will return the repaired product freight prepaid within the continental United States. **ANY PRODUCT RETURNED TO M&S SYSTEMS WITHOUT A RAN NUMBER WILL BE REFUSED.**

This limited warranty is in lieu of any other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose or otherwise, and of any other obligations or liability on the seller's part. This limited warranty does not cover damage caused by improper installation, acts of God, criminal acts, the violation of applicable building or electrical codes or the use of non-M&S wire, cable (excluding CAT-5 and RG-6) or wall housings.

Under no circumstances shall M&S Systems be liable for consequential, incidental or special damages arising in connection with use, or inability to use this product. In no event shall M&S Systems' liability hereunder exceed the cost of the product covered hereby. No person is authorized to assume for us or obligate us for any other liability in connection with the sale of this product. Some states do not allow the exclusion or limitation of consequential, incidental or special damages, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

### M&S Systems Limited 10-Year Warranty for AirVac Gold Power Units

M&S Systems offers a 10-Year Warranty on our AirVac Gold power units. This warranty is identical to the M&S Systems 2-Year Warranty, with the exception that this warranty covers the AirVac Gold power units for 10 years instead of 2. The M&S Systems 10-Year Warranty applies ONLY to the AirVac Gold power units and to no other M&S Systems, M&S or AirVac products.



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## How to Make the Connections

- Strip approximately 1/4 inch of insulation from each wire conductor.
- Attach all wires to their specific location as labeled on the connectors and as shown in the wiring connection detail.
- DO NOT confuse the 16-gauge power wire with the 18-gauge speaker wires. Crossing these wires will result in damage to the speakers.
- Insert the Zone Keypad into the rough-in box. Make sure that none of the cables are pinched and all are clear of the box.
- Screw the Zone Keypad into place using the 4 screws included with each unit.
- Snap the faceplate into place. The faceplates are interchangeable and they snap on and off easily.



## Zone Keypad XDM46K For Xtreme Digital Music System XDM4600

## Instruction Manual



## Introduction

The XDM4600 Xtreme Digital Music system is an expandable, integrated digital audio distribution system. It offers music and intercom functions to four zones (expandable to eight) and allows communication with visitors at the front door as well.

The four zones, the door station, and six audio sources connect to a single Central Controller. The Central Controller has six analog line inputs for sourcing music to the system, and communication between the Central Controller and the zones is digital. An infrared repeater built into the system allows the audio source equipment to be controlled from the zones with a universal Remote.

Each zone contains a class-D amplifier and other circuitry to drive one pair of 8-ohm speakers as well as a local audio source. The front door chime mutes any music and intercom function that is playing so the chime can be heard over the speakers in each zone. Each zone is powered from the Central Controller, requiring only one power cable to go from a house outlet to the system.

## Xtreme Digital Music System Overview

The XDM4600 provides six audio sources to four zones, or rooms, in your home. In addition, the zone keypads and the Door Station have intercom functions (page all, listen all, front door communications) for communication throughout your home. You can expand the number of zones to eight with the optional Expansion Controller. The core system kit consists of a Central Controller (XDM46CC), 4-Zone Keypads (XDM46K), 1-IR Remote (XDM46R), 6- IR Emitter (XDM46IRE), and 1- Door Station (DS3B2). Optional components, Expansion Hub (XDM46EH) and Local Audio Source Wall Plate (XDM46WP) can be purchased separately.

## Zone Keypad

From any Zone Keypad, you can talk and listen on the intercom, and you can control the music for the entire system (party mode) or for the local zone only. With the universal Remote Control (XDM46R), you can control all audio sources from a Zone Keypad.

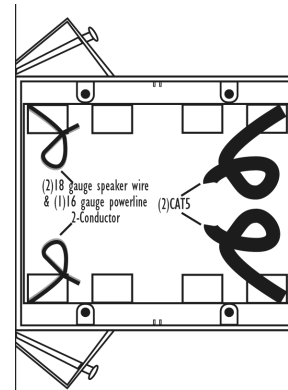


## Electrical Double-Gang Box Rough-In

Mount one side of the double-gang electrical box to a wall stud. The bottom of the box should be approximately 52 inches, or as requested, from the finished floor.

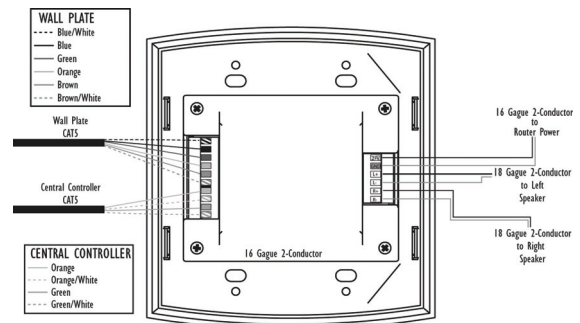
- Do not install the electrical box in non-climate controlled locations such as outside the house, in outside walls, or in a garage.
- Do not install the electrical box in stud cavities that contain other wiring, ductwork, air-return cavities, piping, etc.
- Do not install the electrical box within 18 inches of dimmers, fluorescent light fixtures, security wiring, or other control wiring.
- Do not install the electrical box within 2 inches of room corners.

## Wiring Considerations



- Keep all Zone Keypad wiring away from 120/240V wires, dimmers, and other control wiring.
- The 16-gauge, 2-conductor wire for power supply and 18-gauge speaker wire enter the electrical box on the left side, when you are looking into the box.
- The CAT-5 wires for communication and the line-level in/out enter the electrical box on the right side, when you are looking into the box.
- Label all wiring: Power, right speaker, left speaker, communication, line-level in, and line-level out.
- Knot or fasten all wires in some manner to prevent them from slipping out through the back of the electrical box.
- DO NOT confuse the 16-gauge power wire with the 18-gauge speaker wire.

## Finishing the Zone Keypads



The 16-gauge and 18-gauge (for the speakers), 2-conductor wires attach to the 1x6 connector. The wire that provides power from the controller attaches where indicated by the label on the connector – the solid red indicates the position of the positive wire while the striped red indicates the position of the negative wire. The position of the speaker +/- L and +/- R is indicated by the L+, L-, R+ and R- lettering on the label.

The 1x10 connector attaches to the two CAT-5 cables. On the label, a heavy black line separates the connection of the two wires. Any unused wires are cut off. Refer to the connector label for the proper position of each color-coded wire. From top to bottom, the color code is as follows: blue/white, blue, green, orange, brown, and brown/white. This group is for the CAT-5 cable that goes to the wall plate. The remaining color codes are orange, orange/white, green, and green/white. This group is for the CAT-5 cable that carries the controller communication data.

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