

# VIKING

# TECHNICAL Practice

TELECOM SOLUTIONS FOR THE 21ST CENTURY

**M2W**  
Paging Power  
Amplifier

February 25, 2004

## Amplify Key Phone Ringing and Paging



The **M2W** is designed to amplify the paging announcements and ringing tones of key system telephone speakers in noisy areas.

The **M2W** can also be used to boost the paging capacity of other paging amplifiers.

The **M2W** comes complete with one **25AE** 8 ohm paging horn, an amplifier and a plug-in transformer.




**25AE**

Phone...715.386.8861

## Features

- Adjustable volume control
- Powers up to three 8 ohm speakers
- **Screw terminal connections**
- Power supply included
- One weather resistant **25AE** paging horn included
- Optional additional **25AE** paging horns or **30AE** ceiling speakers available

 Need More Information on the 25AE or 30AE?  
Call (715) 386-4345 and select 498.

## Applications

- Amplify key phone paging and ringing
- Add speakers to fully loaded paging systems

## Specifications

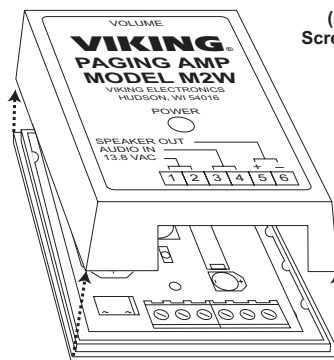
**Power:** 120V AC/13.8 VAC 1.25A, UL listed adapter provided  
**Dimensions:** **M2W** - 53mm x 74mm x 25mm (2.1" x 2.9" x 1")  
**25AE** - 127mm (5") diameter  
**Shipping Weight:** 1.13 kg (2.5 lbs)  
**Environmental:** 0° C to 32° C (32° F to 90° F) with 5% to 95% non-condensing humidity  
**Speaker:** (1) **25AE** 8-ohm 5 watt paging horn included  
**Amplifier:** 2 watts (across 8 ohms) - powers up to (3) 8-ohm or (16) 45-ohm speakers  
**Sound Pressure:** 110 dB SPL @ 1 meter (25AE paging horn), 103 dB SPL @ 1 meter (30AE paging speaker)  
**Connections:** 6 position screw terminal block

## Installation

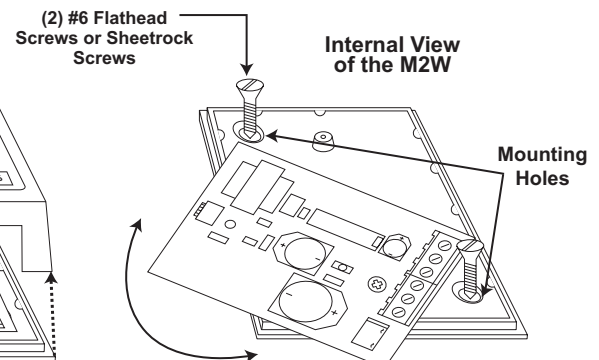
### A. Mounting

<b>Step 1.</b>	Unsnap the plastic cover ( <b>Diagram A</b> ) and remove the top screw holding the circuit board.
<b>Step 2.</b>	Loosen the bottom screw and rotate the circuit board to the left, exposing the two mounting holes in the base ( <b>Diagram B</b> ).
<b>Step 3.</b>	Screw the base to the wall, etc. using (2) #6 flathead or sheetrock screws.

**Note:** Make sure the screw heads are fully driven into the base to avoid shorting the circuit board leads.



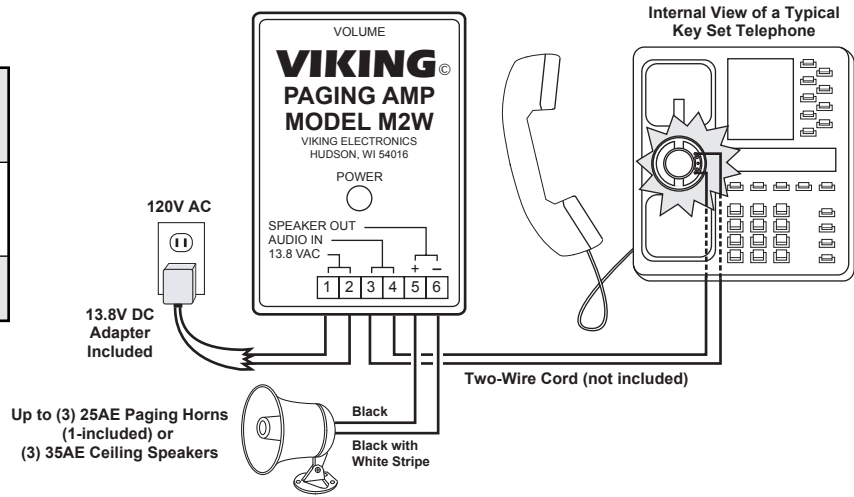
**Diagram A**



**Diagram B**

## B. Amplifying Key Phones

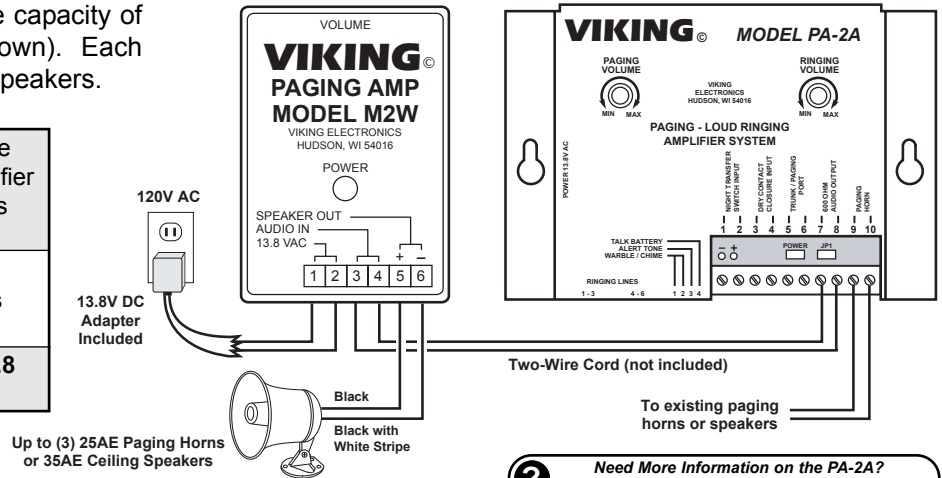
<b>Step 1.</b>	Connect a two wire cord from the key set speaker leads to the <b>AUDIO IN</b> screw terminals <b>3 &amp; 4</b> .
<b>Step 2.</b>	Connect the paging horn's leads to the <b>SPEAKER OUT</b> terminals <b>5 &amp; 6</b> .
<b>Step 3.</b>	Connect the power supply to <b>13.8 VAC</b> screw terminals <b>1 &amp; 2</b> .



## C. Adding Capacity to Existing Paging Systems

The **M2W** may be used to increase the capacity of existing paging systems (**PA-2A** shown). Each **M2W** can power (3) additional 8-ohm speakers.

<b>Step 1.</b>	Connect a two wire cord from the audio output of the paging amplifier to the <b>AUDIO IN</b> screw terminals <b>3 &amp; 4</b> .
<b>Step 2.</b>	Connect the paging horn's leads to the <b>SPEAKER OUT</b> terminals <b>5 &amp; 6</b> .
<b>Step 3.</b>	Connect the power supply to <b>13.8 VAC</b> screw terminals <b>1 &amp; 2</b> .



**Need More Information on the PA-2A?**  
Call (715) 386-4345 and select 485.

# Warranty

**IF YOU HAVE A PROBLEM WITH A VIKING PRODUCT, PLEASE CONTACT: VIKING TECHNICAL SUPPORT AT (715) 386-8666**

Our Technical Support Department is available for assistance weekdays between 8 a.m. and 5 p.m. central time. So that we can give you better service, before you call please:

1. Know the model number, the serial number and what software version you have (see serial label).
2. Have your Technical Practice in front of you.
3. It is best if you are on site.

### RETURNING PRODUCT FOR REPAIR

The following procedure is for equipment that needs repair:

1. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (RA) number. The customer MUST have a complete description of the problem, with all pertinent information regarding the defect, such as options set, conditions, symptoms, methods to duplicate problem, frequency of failure, etc.
2. Packing: Return equipment in original box or in proper packing so that damage will not occur while in transit. Static sensitive equipment such as a circuit board should be in an anti-static bag, sandwiched between foam and individually boxed. All equipment should be wrapped to avoid packing material lodging in or sticking to the equipment. Include ALL parts of the equipment. C.O.D. or freight collect shipments cannot be accepted. Ship cartons prepaid to: **Viking Electronics, 1531 Industrial Street, Hudson, WI 54016**
3. Return shipping address: Be sure to include your return shipping address inside the box. We cannot ship to a PO Box.
4. RA number on carton: In large printing, write the R.A. number on the outside of each carton being returned.

### RETURNING PRODUCT FOR EXCHANGE

The following procedure is for equipment that has failed out-of-box (within 10 days of purchase):

1. Customer must contact Viking's Technical Support at 715-386-8666 to determine possible causes for the problem. The customer MUST be able to step through recommended tests for diagnosis.
2. If the Technical Support Product Specialist determines that the equipment is defective based on the customer's input and troubleshooting, a Return Authorization (R.A.) number will be issued. This number is valid for fourteen (14) calendar days from the date of issue.
3. After obtaining the R.A. number, return the approved equipment to your distributor, referencing the R.A. number. Your distributor will then replace the product over the counter at no charge. The distributor will then return the product to Viking using the same R.A. number.
4. **The distributor will NOT exchange this product without first obtaining the R.A. number from you. If you haven't followed the steps listed in 1, 2 and 3, be aware that you will have to pay a restocking charge.**

### WARRANTY

Viking warrants its products to be free from defects in the workmanship or materials, under normal use and service, for a period of one year from the date of purchase from any authorized Viking distributor or 18 months from the date manufactured, whichever ever is greater. If at any time during the warranty period, the product is deemed defective or malfunctions, return the product to Viking Electronics, Inc., 1531 Industrial Street, Hudson, WI., 54016. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (R.A.) number.

This warranty does not cover any damage to the product due to lightning, over voltage, under voltage, accident, misuse, abuse, negligence or any damage caused by use of the product by the purchaser or others.

Viking's sole responsibility shall be to repair or replace (at Viking's option) the material within the terms stated above. VIKING SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND INCLUDING INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING DIRECTLY OR INDIRECTLY FROM ANY BREACH OF ANY WARRANTY EXPRESSED OR IMPLIED, OR FOR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXCLUDED BEYOND THE ONE YEAR DURATION OF THIS WARRANTY. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

**Product Support Line...715.386.8666**

**Fax Back Line...715.386.4345**

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