Aiphone offers a series of Paging Amplifiers to provide paging and other features for many of our systems. These amplifiers are manufactured by PASO, and are available in 15, 30, 60, and 120 Watt sizes. When adding background music to the NEM system, Group Call or All Call to the AI-900 system, or paging to a large variety of other Aiphone systems, these amplifiers are tested and approved. This supplemental instruction manual includes wiring diagrams for applications with Aiphone systems. See PASO Installation & Operation Manual included with the product for complete information on these products.

<table>
<thead>
<tr>
<th>AVAILABLE MODELS</th>
<th>WATTAGE</th>
<th>APPLICATIONS</th>
</tr>
</thead>
</table>
| T3115BGM         | 15 Watts| - Background Music for NEM System  
|                  |         | - Paging & Background Music       |
| T3130BGM         | 30 Watts| - All Call & Group Call for AI-900 System  
|                  |         | - Paging & Background Music       |
| DMA2060          | 60 Watts| - Paging & Background Music       |
| DMA2120          | 120 Watts| - Paging & Background Music      |

When using the above Amplifiers for Paging via an Aiphone system, match the appropriate paging adaptor with the system being used. Choose the amplifier based on input and output requirements for your application.

<table>
<thead>
<tr>
<th>PAGING ADAPTOR</th>
<th>SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>AXW-PA1</td>
<td>AX</td>
</tr>
<tr>
<td>BA-1</td>
<td>LEM, LEF, LAF-C/CA, LDF-C/CA, NEM, NDR, NDRM</td>
</tr>
<tr>
<td>BA-1P</td>
<td>AP-M, MP-S</td>
</tr>
<tr>
<td>MC-A/A</td>
<td>MC-60/4A</td>
</tr>
<tr>
<td>PD-1</td>
<td>TD-H</td>
</tr>
<tr>
<td>PD-2 (w/Talkback)</td>
<td>TD-H</td>
</tr>
<tr>
<td>YAW-R/B</td>
<td>YAZ</td>
</tr>
</tbody>
</table>
**WIRING DIAGRAM**

**T3115BGM with the NB-U for Background Music for NEM System:**

Tie the 25V output of the amplifier to the 63Ω input of the NB-U.

**WIRING DIAGRAM**

**T3130BGM with the AI-900RS for Group Call / All Call on the AI-900 System**

Include one T3130BGM for each AI-900RS card in the system where sub stations require Group Call or All Call.

Adjust TEL (PAGING) OUTPUT LEVEL accordingly to obtain optimum output.
WIRING DIAGRAM
T3115BGM or T3130BGM with the AI-900AF:

Page through an overhead speaker system from an AI-900 system, using an AI-900AF card.

To CN4 on AI-900AF Card

To CN5 ~ CN8 on AI-900AF Card
(depending on programming)

Output to Speaker System

WIRING DIAGRAM
DMA2060 or DMA2120 with the AI-900AF:

Page through an overhead speaker system from an AI-900 system, using an AI-900AF card.

To CN5 ~ CN8 on AI-900AF Card
(depending on programming)

To CN4 on AI-900AF Card

Output to Speaker System

When not using "EQ LINK" ports, adjust switch to "INTERNAL"

WIRING DIAGRAM
T3115BGM or T3130BGM with the BA-1 or BA-1P:

Page through an overhead speaker system from a channel selector on an Aiphone Master Station. See page 1 for systems compatible with the BA-1 and BA-1P.

Yellow to # terminal on Master

Green to E on Master

BA-1 or BA-1P

Output to Speaker System

Orange to PROGRAM "HOT"

Brown to PROGRAM "COM"
WIRING DIAGRAM
DMA2060 or DMA2120 with the BA-1 or BA-1P:

Output to Speaker System
When not using “EQ LINK” ports, adjust switch to “INTERNAL”

BA-1 or BA-1P

Yellow to # terminal on Master
Green to E on Master

WIRING DIAGRAM
T3115BGM or T3130BGM with the MC-A/A on the MarketCom System:

Output to Speaker System

MC-A/A

PROGRAM “HOT”
PROGRAM “COM”

WIRING DIAGRAM
DMA2060 or DMA2120 with the MC-A/A on the MarketCom System:

Output to Speaker System
When not using “EQ LINK” ports, adjust switch to “INTERNAL”

Adjust (AUX 2) attenuator accordingly to obtain optimum output

MC-A/A

To 24VDC + and #1 on MC-60/4
To #2 on MC-60/4
To #3 on MC-60/4
To #4 on MC-60/4
To 24V DC – and #5 on MC-60/4
WIRING DIAGRAM
T3115BGM or T3130BGM with the PD-1 or PD-2 and TD-H System:

WIRING DIAGRAM
DMA2060 or DMA2120 with the PD-1 or PD-2 and TD-H System:
WIRING DIAGRAM
T3115BGM or T3130BGM with the YAW-R/B on the YAZ System:

- Output to Speaker System
- White wires to relay (see YAW-R instructions)
- Not Used
- To YAZ-90-W

WIRING DIAGRAM
DMA2060 or DMA2120 with the YAW-R/B on the YAZ System:

- Output to Speaker System
- Adjust (AUX 2) attenuator accordingly to obtain optimum output
- White wires to relay (see YAW-R instructions)
- Not Used
- To YAZ-90-W
<table>
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<th>MODELS</th>
<th>WATTAGE</th>
<th>INPUTS</th>
<th>OUTPUTS</th>
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<tr>
<td>T3115BGM</td>
<td>15 Watts</td>
<td>Mic (250 ohm, 1 mV) Telephone (600 ohm, 1 mV) Auxiliary (47K ohm, 100mV) Program (10K ohm)</td>
<td>8 ohm 25V 70V</td>
</tr>
<tr>
<td>T3130BGM</td>
<td>30 Watts</td>
<td>Mic (250 ohm, 1 mV) Telephone (600 ohm, 1 mV) Auxiliary (47K ohm, 100mV) Program (10K ohm)</td>
<td>8 ohm 25V 70V</td>
</tr>
<tr>
<td>DMA2060</td>
<td>60 Watts</td>
<td>Mic (250 ohm, 1.5mV) Telephone (600 ohm, 100mV) Input 3: Mic 3 - Aux 1 balanced Input 4: Mic 3 - Aux 2 balanced MOH (1V)</td>
<td>8 ohm 25V 70V Zone 1 (8 ohm, 2W) Line out (600 ohm)</td>
</tr>
<tr>
<td>DMA2120</td>
<td>120 Watts</td>
<td>Mic (250 ohm, 1.5mV) Telephone (600 ohm, 100mV) Input 3: Mic 3 - Aux 1 balanced Input 4: Mic 3 - Aux 2 balanced MOH (1V)</td>
<td>8 ohm 25V 70V Zone 1 (8 ohm, 2W) Line out (600 ohm)</td>
</tr>
</tbody>
</table>

See PASO Amplifier Installation Manual & Operating Instructions for complete information.
SERVICE ISSUES:
To receive Technical Support for connecting your Amplifier with an Aiphone system:
1. Contact Aiphone Technical Support at (800) 692-0200 during the hours of 6:00AM to 4:30 PM Pacific Time.
2. For questions about the amplifier other than connection to the Aiphone system, contact Paso's Technical Support at (800) 231-3034.

To obtain Repair Service on your Paso Amplifier provided by Aiphone, please do the following:
1. Contact Aiphone Customer Service to receive a Repair Order Form, or locate it on our website under Customer Service.
2. Fill out the form and email or fax it back to Aiphone to receive your RO number.
   email: cust-serv@aiphone.com   fax: 800-525-3372
3. We will provide you with the shipping information to return your amplifier for service.

See the back page of the Paso Amplifier instructions for further information on service issues.

IMPORTANT: If the Amplifier was Provided by Aiphone, you must contact Aiphone to get an RO Number before sending your unit in for service.

SPECIFICATIONS and WARRANTY:
Refer to Paso Installation and Operating Instructions included with the Amplifier.