Intercom System:
Open Voice All-Master, or
Masters with Remotes

Models CM-206M
CM-211M
CM-200X

Specifications

<table>
<thead>
<tr>
<th>No. of Stations:</th>
<th>All master systems up to 6/11 master units</th>
</tr>
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<td>Power Supply:</td>
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<td>In-use LED</td>
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<td>Remote — CALL button; TALK button;</td>
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<tr>
<td></td>
<td>PRIVACY button</td>
</tr>
<tr>
<td>Call Signal:</td>
<td>Electronic call tone</td>
</tr>
<tr>
<td>Wiring Required:</td>
<td>Multi-conductor cable</td>
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<tr>
<td>Mounting:</td>
<td>Wall or desktop. Junction boxes supplied.</td>
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Important Safety Instructions

- Do not connect the power supply until system wiring is complete.
- Except for the power supply AC power cord plug, do not connect wires directly to AC power.
- Do not expose any equipment to rain or moisture.
- Do not hammer on or staple through cables.
- Route cables away from excessive heat and high-voltage cables.
- Do not alter component wiring.

Installation

The junction box supplied may be mounted to a wall or single-gang outlet box. The screw terminal designations are as follows:

1,2,...11 Station Numbers
L Call line terminal
L1 Audio ground
+ + 12V DC connection
- - 12V DC connection

Lay the system out before beginning installation. Decide on the most efficient cable runs and assign station numbers. Future service or expansion of the system will be facilitated if you draw a diagram of the system.

Master stations can call any other Master. Remotes can communicate only with the Master to which they are connected.

<table>
<thead>
<tr>
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<th>24AWG</th>
<th>22AWG</th>
<th>20AWG</th>
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<tr>
<td>Diameter</td>
<td>0.5mm</td>
<td>0.65mm</td>
<td>0.8mm</td>
<td>1.0mm</td>
</tr>
<tr>
<td>Distance</td>
<td>400'</td>
<td>650'</td>
<td>1,000'</td>
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<td>120m</td>
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Operating Instructions

System wiring diagrams for All-Master Systems are shown in Figure 2 and Figure 4. A typical wiring diagram for a mixed system (Masters and Remotes) is shown in Figure 5.

Master Operation

To Call Another Master: Press the desired station selector button. A call tone will be heard at the selected station.

Press TALK to speak. To listen, release TALK button. To send long messages, press LOCK button.

To Call a Remote: Press the desired station selector button as above. Note: You can only call and talk to the remotes attached to your master.

To speak with station L: Press the selector button for the station you are at (station 4, press button 4).

Privacy: Press the PRIV button to prevent others from hearing anything at your station.

Remote Operation

To Call the Master: Make sure the PRIV button is not depressed. Press the button marked CH. It will lock in the depressed position and a call tone will sound at the Master station. You will hear a reply from the Master over the speaker. To talk, press the TALK button. Listen hands free. When finished with the call, press the CH button again to release it.

To Answer a Call from the Master: You can talk and listen hands free when a call is initiated from a Master station.

Privacy: Press the PRIV button to prevent others from hearing anything at your station.
**Wiring Diagrams**

**Station Mounting**
Each Master station has a bracket for wall mounting installation. Secure bracket to wall with screws provided. Fill slots in base over the hooks on bracket and pull down to secure. The Remote station has keyhole slots to facilitate wall mounted installation.

Begin wiring with station number 1. Write the color code of each wire on your diagram. Be sure to connect the proper wire to the L terminal at each station. **BE SURE TO OBSERVE CORRECT POLARITY WHEN CONNECTING THE POWER SUPPLY.**

**Power Supply**
Use only the Bogen Model RF12A power supply. **BE SURE TO OBSERVE CORRECT POLARITY WHEN CONNECTING THE POWER SUPPLY TO THE JUNCTION BOX.**

Connect power supply after system wiring is complete. If cable runs are very long, connect power supply to a point mid-way in the system.

**Wiring**
Use multi-conductor cable. Do not use twisted pair or shielded cable.

For All-Master systems, the number of conductors equals 3, plus the total number of stations. Single Master/Remote system wiring consists of 4-conductor cable from each remote to the master.

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**Figure 5. Typical Wiring Diagram for a Mixed System (Masters and Remotes)**

**Figure 1. CM-211M All Master Communication Network.**
Wiring Diagrams

Figure 2. CM-211M All-Master System Wiring Diagram.

Figure 3. CM-206M Communications Network.

Figure 4. CM-206M All-Master System Wiring Diagram.
Wiring Diagrams

Figure 2. CM-211M All-Master System Wiring Diagram.

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Figure 4. CM-206M All-Master System Wiring Diagram.
Wiring Diagrams

CM-205M/211M
Station 1

1
2
3
4
5
6
7
RF-12A
Power Supply

CM-206M/211M
Station 2

1
2
3
4
5
6
7

CM-200X
Station 3

1
2

CM-200X
Station 4

1
2

CM-200X
Station 5

1
2

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<tr>
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<th>Width</th>
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<tr>
<td>CM206M</td>
<td>1.5</td>
<td>10''</td>
<td>6-3/32''</td>
<td>2-3/16''</td>
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<td>CM211M</td>
<td>1.46</td>
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