

**INSTALLATION AND OPERATION**  
**INSTRUCTIONS: KB-ML-5WA AND KB-ML-10WA**

**INSTALLATION**

Place each station in the desired location. Run a separate length of TALK-A-PHONE #6303 (3-conductor shielded) cable from each Sub-Station to the Master. Connect as shown in diagram on following page: Connect bare wire of #6303 to terminal "R" on the Master and to terminal "3" on Sub. Note that wire from terminal "2" on each Sub-Station connects to terminal number of the Sub-Station in the system. Note also that lead wires (of matching colors to TALK-A-PHONE cable) extend from rear of model K-LR-3W, and are used for connection. Models K-LR-3 and K-LR-3M have terminal strips.

Underneath the Master (and desk style Sub-Station) is a cable clamp. Remove screw on cable clamp and pass interconnecting cable underneath clamp. Adjust cable clamp so that it holds cable securely, and replace screw.

The Master Station is powered by a separate power supply (included), which connects to the "+" and "-" terminals on the terminal strip on the bottom of the unit. The black wire on the power supply connects to the "-" (minus) terminal, and the black with white stripe wire connects to the "+" (plus) terminal. Should your installation require grounding of the unit itself, you can connect a ground wire to the "G" terminal on that terminal strip. The power supply cord should be routed through the strain relief on the bottom of the chassis.

Care should be taken that no part of the cable is too near electric or telephone wiring, etc., nor should it be shorted to any grounded conductors, radiators, pipes, beams, etc., and the bare wire at the various terminals should not short from one terminal to the other nor the metal chassis. When staples are used to hold the cable in place, use only insulated staples and do not drive them in so hard as to cause the wires inside the cable to short to each other.

**CONTROLS**

**VOLUME CONTROL:** Located at the left of the cabinet on the Master Station only. Rotate clockwise to increase volume.

**STATION SELECTOR SWITCHES:** Located across front of the cabinet on the Master Station only. To select Sub-Station corresponding to number above switch, push "in" with slight pressure. More than one switch can be depressed at the same time. Return switches to "off" position by pushing again.

**TALK-LISTEN CONTROL:** Located on the right of the cabinet, (left on the K-LR-3W). Push in to "talk"; release to "listen".

**TRANSLUCENT INDICATORS:** There is one located to the right and below the volume control knob on Master Station which indicates that unit has power. Adjacent to each station selector switch is a translucent indicator which will go "on" to indicate

that a call is coming in from that particular sub-station. The light will go out when that station selector switch is pushed "in" to answer the incoming call.

**INCOMING TONE CONTROL:** The incoming tone volume, which is controlled by the volume control setting of the master, can independently be made louder or softer by moving the two position switch on the bottom of the unit.

## **OPERATION OF MASTER STATIONS**

These systems have been designed for use where one Central Location must communicate with other locations, but these other locations do not need to communicate with one another. **ONE AND ONLY ONE MASTER STATION CAN BE USED IN EACH KB-ML-5WA or KB-ML-10WA SYSTEM.**

**In Moderate to Low Noise Level Areas,** use Talk-A-Phone Model K-LR-3 or K-LR-3W Sub-Stations.

**For High Noise Level Areas, or In Very Large Locations,** use Talk-A-Phone Models K-C-20(V) or K-HP-3(V) in place of Models K-LR-3(W) Sub-Stations. Model K-C-20(V) will supply more than 3 times as much volume. Model K-HP-3(V) will furnish more than twice the volume. K-C-20(V) is a Re-Entrant Horn and is more directional than the K-HP-3(V).

Depress the station selector switch corresponding to the Sub-Station you desire to communicate with. You may call more than one sub-station at a time by pushing in multiple buttons at the same time. When not communicating with any Sub-Station, leave the station selector switches in the "off" position (raised up) and you can avoid listening to sounds coming from Sub-Station locations (Sub-Stations can still call the Master). Upon completion of each conversation, return station selector switches to "off" position.

Push "in" the Talk-Listen Control and talk. Release the Talk-Listen Control and listen. Then adjust the Volume Control until desired volume is obtained.

When a Sub-Station calls the Master, the translucent indicator adjacent to that station number will go on and an incoming tone will be heard. The light and tone will go off when the call is answered.

## **OPERATION OF SUB-STATIONS**

Sub-Stations can answer the Master Station without any operation on the part of the person at the Sub-Station, and at a distance from the Sub-Station. To originate a call from a Sub-Station merely depress the Talk-Listen Control on the Sub-Station (use K-S-100W origination-of-call switch with K-HP-3(V) and K-C-20(V)). Once the person at the Master Station has answered you, there is no further need to operate the switch on the Sub-Station while carrying on a conversation.

Model K-HP-50 Power Booster can be added to the system at any time and connected to Talk-A-Phone paging speakers, as Models K-LR-2 (R), K-HP-3(V), K-C-20(V). Use of

## KB-ML-5/10WA INSTALLATION AND OPERATION

the K-HP-50 will provide a one-way paging circuit whereby any Master Station can page, but persons at the paging speakers cannot reply or originate calls. Connect the K-HP-50 to its own station number in the system.

Close proximity of the Sub-Stations to the Master Station may result in a howl (acoustical feedback) when either one calls the other. Reduce the volume on the Master Station or keep them partitioned from each other. The Master Station controls the volume of the system with these models.

**BROADCASTING MATERIAL OVER THE INTERCOM SUB-STATIONS:** You can connect an amplified program source (mono, 10-20 watts for 8 ohm speakers) to the Master as shown on the attached drawing. The program material will automatically play through the intercom speakers (as well as the Master Station for monitoring purposes) unless the system is being used for communication.

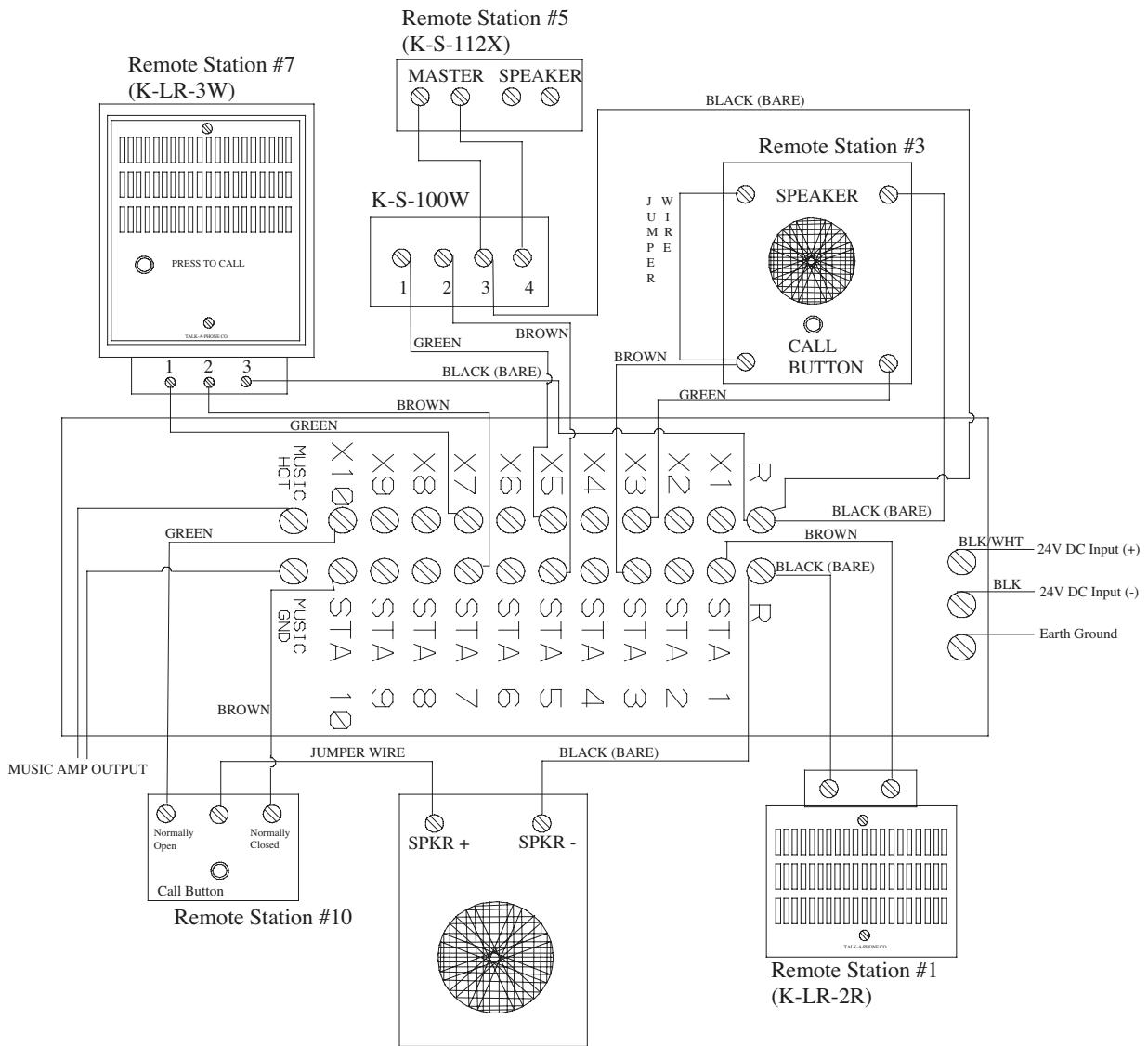
**PRIVACY CRADLE PHONE (OPTION):** When Cradle Phone is at rest, the station operates the same as model without Cradle Phone. Removing Cradle Phone from its rest automatically disconnects the loud speaker within the station and directs incoming and outgoing voice only through Cradle Phone.

On Masters, push in Master's talk-listen control to talk and release to listen with the Cradle Phone in use. On Sub-Stations, note the additional push button control located in the center of the Cradle Phone. Depress push button control to "talk," release to "listen" during conversation. When Sub-Station originates a call to the Master, operate **both** the push button control on the Cradle Phone and the Talk-Listen Control on the Sub-Station, pressing to "talk," releasing to "listen".

A few minutes spent in practice operation will enable you to become familiar with the system's use. The system should provide years of satisfactory performance. Should you have any questions concerning the operation and performance of this system (even those questions which might be peculiar to local electrical and environmental conditions) we would welcome your inquires, as we may have special information and suggestions for you.

**TO REMOVE CHASSIS-** Remove two knobs on front of Master Station (one knob on front of Sub-Station) and four screws on the bottom of unit that are adjacent to end panels (2 screws per side). On Model with Cradle Phone, also remove the cradle rest assembly. Lift out chassis.

# Cable Connections for KB-ML-5WA and KB-ML-10WA



KB-ML-10WA pictured, KB-ML-5WA is the same but with 5 less channels.

- Station 7 show how to connect a 3-wire Talk-A-Phone speaker with call button.
- Station 10 shows how to connect a 2-wire speaker with 3-wire call button.
- Station 3 shows how to connect a 2-wire speaker with 2-wire call button.
- Station 1 shows how to connect a 2-wire speaker without a call button.
- Station 5 shows how to connect a K-S-100W with a K-S-112X.

**TALK-A-PHONE CO. LIMITED WARRANTY**

Talk-A-Phone Co. warrants Talk-A-Phone Intercommunication equipment against any defects in material and workmanship, under normal use, for a period of three (3) months from date of installation, provided that Talk-A-Phone receives a completed "Installation Certification" certifying the date on which the system has been installed. An "Installation Certification" card is enclosed with every unit. In the event that no "Installation Certification" is received by Talk-A-Phone, the three (3) months will commence on the date of shipment by Talk-A-Phone.

In the event this product is found by Talk-A-Phone to be defective within the warranty period, Talk-A-Phone's only obligation and your exclusive remedy, shall be the repair and/or replacement of any defective parts, provided the equipment is returned to Talk-A-Phone Co., 5013 N. Kedzie Ave., Chicago, IL 60625. It is expressly understood that Talk-A-Phone shall have no obligation to furnish labor, nor pay for the labor of any third parties, nor bear the expense of shipping defective products for repair. This warranty shall not apply if Talk-A-Phone determines that the defect was caused by improper use or installation, or damage caused to the equipment by others.

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**