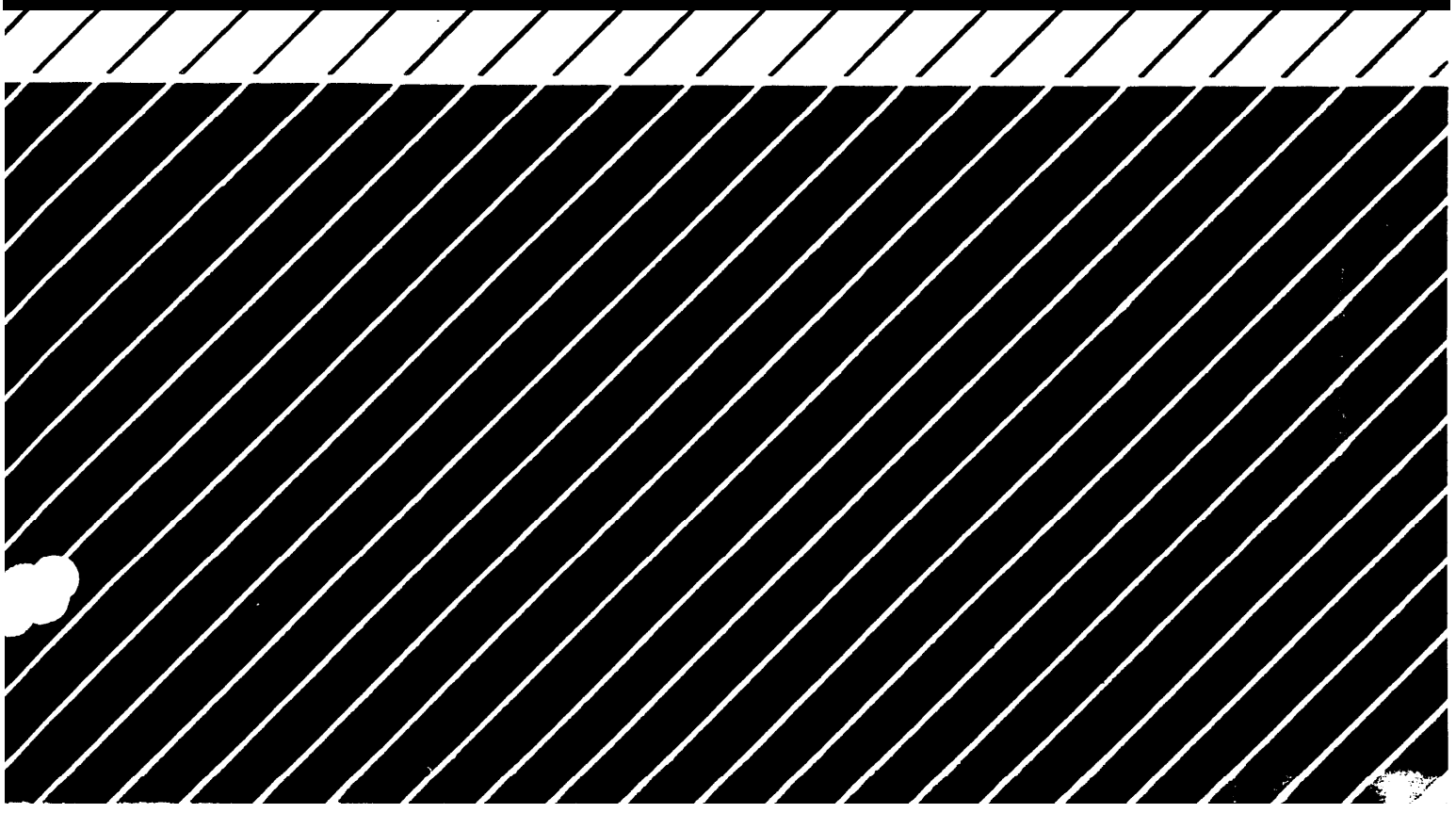
AT&T

PagePac® 20

MusicMate™

Service Manual-Installation



Service Manual
PagePac® 20 MusicMate™
Installation

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OVERVIEW

MusicMate™ is designed for use with the PagePac® 20 PowerMate™. It provides AM or FM background music to the paging system and/or music-on-hold to the telephone system (see Figure 1).

MusicMate has two 24 in. cords that connect on the rear of the PowerMate. These connections provide the music input from the MusicMate to the PowerMate, and the power output from the PowerMate to the MusicMate.

The unit is designed to sit on top of the PowerMate after installation.

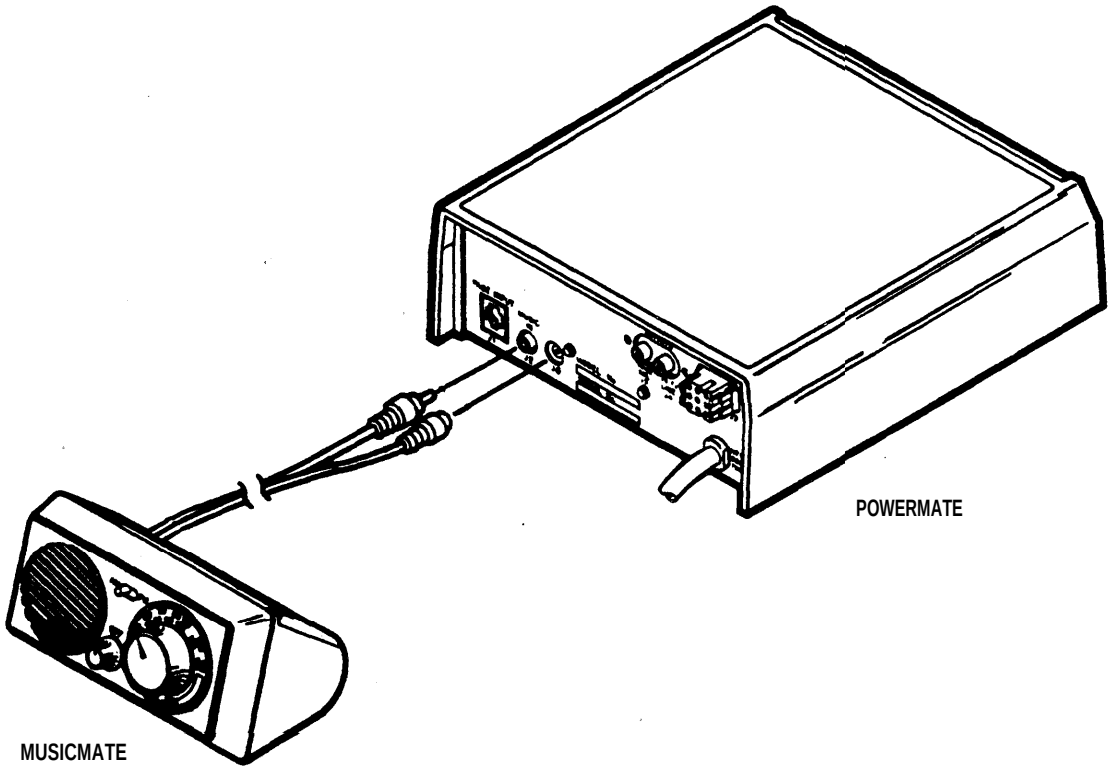


Figure 1 - PagePac® 20 MusicMate

CONNECTIONS

Connections For Background Music Only

One of the MusicMate's cords has a RCA type phono plug and the other a DC power plug. The RCA type phono plug connects to the PowerMate MUSIC IN jack J2, and the DC power plug to PowerMate jack J6 (Figure 1).

1. Insert the MusicMate RCA type phono plug into MUSIC IN jack J2 on the rear of the PowerMate.

2. Insert the MusicMate miniature plug into power jack J6 on the rear of the PowerMate.

   Note: The RCA type phono plug provides a signal input from MusicMate to PowerMate and the DC power plug provides operating power from PowerMate to MusicMate.

Connections For Background Music and Music-On-Hold to Host System

The MusicMate may also be used to supply music to the host system for music-on-hold. This is done by connecting a Y connector to MUSIC IN jack J2 on the PowerMate, then connecting the MusicMate RCA type phono plug to one of the free ends of the Y connector, and using the other free end of the Y connector and one or two sections of speaker cable to reach the host system music-on-hold input. The MusicMate DC power plug is connected to PowerMate jack J6 (Figure 2).

1. Insert the MusicMate DC power plug into PowerMate jack J6.

2. Connect a Y connector to PowerMate MUSIC IN jack J2.

3. Connect the MusicMate RCA type phono plug to one of the free ends of the Y connector.

4. Connect the other free end of the Y connector to the host system music-on-hold inputs. Use one or two sections of speaker cable, as required, but do not use more than two.

5. If the host system music-on-hold terminals are screw type, remove the RCA type phono jack from the last cable section, separate and strip the insulation from the individual speaker wires before connecting them.

   Note: Y connectors and speaker cable sections are provided with the PagePac 20 Universal Speaker kit.

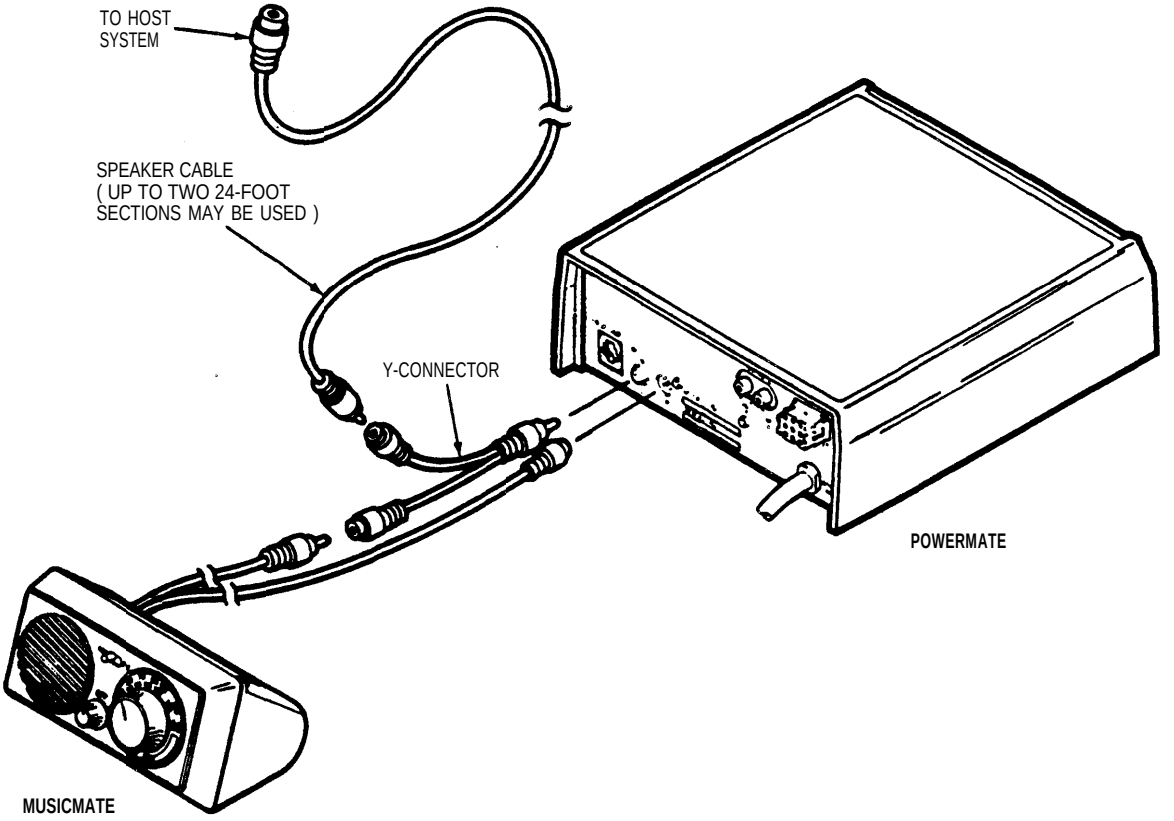


Figure 2 - MusicMate Connections for Music-on-Hold

Connect External Antenna

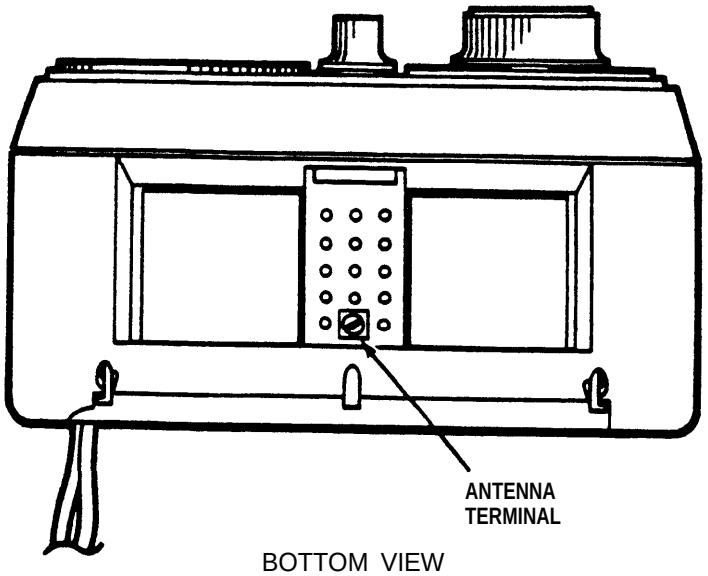
An antenna (not provided) may be required for reception in difficult areas. The antenna can be made from a single 22 AWG insulated wire. The length of the wire will depend on how much is needed for good reception. Connect the antenna to the MusicMate as follows:

1. Connect the antenna wire to the screw terminal on bottom of MusicMate. (Figure 3).

   Note: Do not over-tighten the antenna terminal screw.

2. Orient antenna for best reception; attach it to a wall with tape or nonmetallic hardware.

   Caution: If an outdoor antenna is connected to the antenna terminal, the antenna system must be grounded in accordance with Articles 810 and 820 of the National Electrical Code ANSI/NFPA No. 70-1978.



BOTTOM VIEW

Figure 3 - Antenna Connection

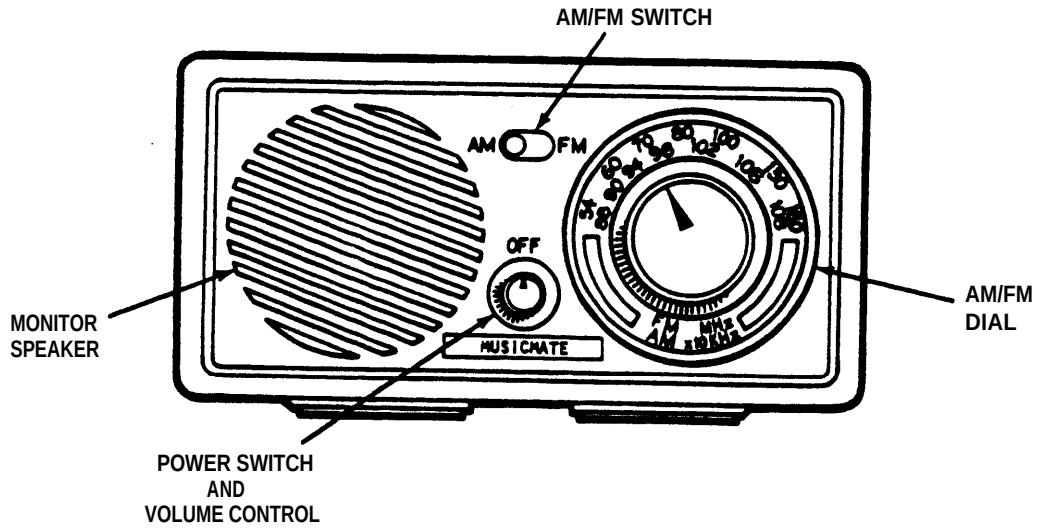


Figure 4 - MusicMate Controls

OPERATION

MusicMate Adjustment and Controls

MusicMate incorporates a built-in speaker to aid in tuning a station. MusicMate controls are shown in Figure 4 and described in the following table.

Table A. MusicMate Controls

Control	Purpose	Remarks
OFF Control (On/Off & Volume)	Controls volume of monitor speaker only. Note: Music volume to paging speakers is controlled with the PowerMate MUSIC VOLUME control.	Turn control down after selecting a station (do not accidently turn unit off).
AM/FM Switch	Selects either AM or FM operation.	Set to AM or FM as desired.
Tuning Dial	Tunes stations on 88 to 108 MHz FM broadcast band, or 54 to 160 kHz AM broadcast band.	See operation procedures on following page for tuning procedure.

Station Tuning

Connect the MusicMate to the PowerMate. Turn MusicMate and PowerMate on, and tune the MusicMate as described below.

1. Turn the PowerMate MUSIC VOLUME control all the way down, but do not turn the unit off. This turns down the volume on the paging speakers.

2. Set AM/FM switch to desired position.

3. Turn the volume control on the MusicMate up until you have a comfortable volume on the monitor speaker.

4. Tune in a station.

5. Turn the volume control on MusicMate down to silence monitor speaker.

6. Set the music volume on the paging speakers with PowerMate MUSIC VOLUME CONTROL.

   Note: If the MusicMate is used to provide music-on-hold to the host system, music-on-hold volume control must be provided by the host system.

Test Background Music

1. Lift the handset of any telephone connected to the host system.

2. Access paging as required by the host system. Music will stop when the paging system is accessed.

3. Replace handset, music will return to the paging speakers.

4. Note: Proprietors of background music systems in public places are referred to Public Law 94-553, effective 1/1/78. Licenses may be required from ASCAP and/or BMI.

Test Music-On-Hold (if provided)

1. Have an outside call placed into the host system, place call on hold. The caller will hear music while on hold.

   Note: If the MusicMate is used to provide music-on-hold to the host system, music-on-hold volume control must be provided by the host system.

MAINTENANCE AND TROUBLESHOOTING

Should the MusicMate fail to operate properly, ensure that all connections have been correctly made.

For a detailed troubleshooting procedure, see the manual that is supplied with the PowerMate.

WARRANTY

All terms and conditions of your purchase agreement apply. For service information call the AT&T Information Systems service number that is provided for your communications system.

For warranty and non-warranty service of this product, Harris Corporation Dracon Division acts solely as a service agent for AT&T Information Systems and any claims are to be made solely with AT&T.

NOTES

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