

**RadioMate**®

Installing and Using  
The **SwitchMate II**™  
Headset Interface





## RadioMate® SwitchMate II™ *Headset Interface*

### General Information

The **SwitchMate II™** headset interface allows the user to wear a headset and converse on a landline telephone as well as transmit on a two-way radio.

The headset interface is normally used at a dispatch point where the user receives telephone calls and dispatches service personnel or first responders by two-way radio.

The **SwitchMate II™** is powered by a wall plug-in transformer. The supplied metal mounting bracket and screws allow the unit to be conveniently placed under the writing surface. The unit may also be set on the desktop.

Please review the "Special Ordering Options", "Installing the **SwitchMate II™**" and "Using the **SwitchMate II™**" prior to set-up. Any additional questions can be directed to RadioMate Sales and Customer service staff by telephone, email or website contact form.

[sales@radiomate.com](mailto:sales@radiomate.com)

# Installing The **SwitchMate II™**

RadioMate® recommends installation of **SwitchMate II™** by certified two-way radio technicians only.

For easy installation of the **SwitchMate II™**, follow these steps:

- Decide whether the **SwitchMate II™** will be placed adjacent to the dispatch radio or mounted with the included bracket under the writing surface or the desktop. The more distance between the dispatch radio, antenna and **SwitchMate II™**, the less likely the incidence of radio frequency interference.
- Using the "**SwitchMate II™** Back Panel" drawing as reference, insert one of the three telephone cables provided into the port marked "PHONE". Cable "A" is pinned appropriately for most all telephone handset jacks. Insert the labeled end into the telephone handset jack. See "Using the **SwitchMate II™**" for use of cables labeled "B", "C" or VoIP cables.
- Plug your telephone handset with cable into the port marked "HANDSET" on the rear panel of the **SwitchMate II™**. The handset can be used as normal when the headset cables two-prong plug is removed from the front headset jack.
- Plug only the supplied AC adapter into the port on the rear panel of the **SwitchMate II™** marked "DC IN". Plug adapter into wall outlet. The input of the supplied AC adapter is (120VAC) 60Hz. The output of the supplied AC adapter is 14VDC.
- Plug footswitch into "OPTION" port on the rear panel of the **SwitchMate II™**. Place the footswitch on the floor to allow sufficient leverage for keying the switch.
- Plug radio cable specific to your dispatch radio into the DB25 port marked "RADIO" on the rear panel of the **SwitchMate II™**. Insert opposite end of this cable into the accessory jack of your dispatch mobile radio, base station, remote, desk set or existing jack box.
- Attach headset top cable to headset coiled bottom cable at quick-disconnect plugs.
- Insert the headset cables two-prong plugs into jacks on the front panel of the **SwitchMate II™**. For proper transmit quality, the headsets microphone should be placed approximately one inch from the corner of the mouth. Headsets with ear cushions can be worn on the right or left ear.

# SwitchMate II™

## Special Ordering Instructions

Each of RadioMate®s **SwitchMate II™** units is custom made. Because of this, we can accommodate many of our customers different needs. Please review the following options that may be appropriate for your planned use of the equipment. Please indicate to us when you are ordering the options that are of interest to you. Options may or may not affect the price of the unit. It is our goal to supply you with a **SwitchMate II™** specifically designed to fit your individual needs.

- **Dual Receiving:** Does the dispatcher need to listen to the telephone while transmitting on the radio? Or hear the radio traffic while conversing on the telephone? Please request "simultaneous receive" when ordering.
- **Recorder Output:** Will a recorder be used with the **SwitchMate II™** and, if so, which side is to be recorded (telephone, radio, or both)? Standard is that all audio that passes through the headset mic will be recorded. A **SwitchMate II™** with recorder feature is a special order part.
- **Desk Microphone:** Do you want to use a desk microphone also? Please tell us when ordering. You may experience two live mics without possible modification.
- **Vehicle Installation:** Will this **SwitchMate II™** be used in a vehicle? Please let us know how you plan to power the **SwitchMate II™**. We recommend installation of a line filter to suppress potential noise.

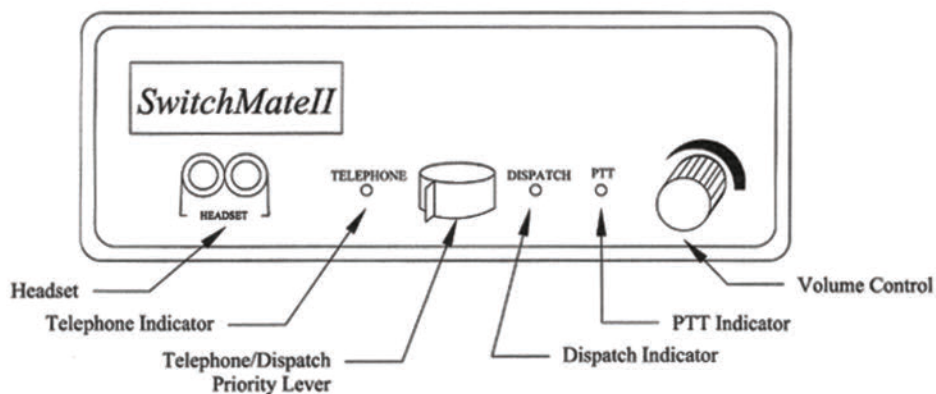


## Using The SwitchMate II™

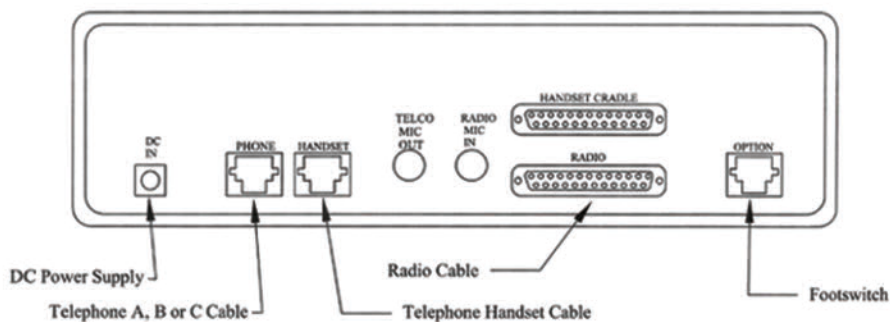
- The priority lever on the front panel of the *SwitchMate II™* has been set at the factory to be in "TELEPHONE" mode. This allows the user to always be ready for incoming telephone calls. The unit is designed for the user to converse on a landline telephone and switch to radio "DISPATCH" mode by way of depressing: footswitch, push-to-talk button on handgrip, push-to-talk button on cordless remote.
- The telephone manufacturer and model determines whether it will be necessary to lift the handset off the cradle to transfer audio to the headset. Contact your telephone service personnel for information and availability of "on-hook dialing" for your phone instrument.
- A green light is lit on the front panel of the *SwitchMate II™* while in telephone mode. Once a push-to-talk button is depressed, the telephone call is held in "suspension" and the headset audio is switched to dispatch mode. A red light is lit to indicate the dispatcher is transmitting on the radio. Note the transmit indicator on the radio should shine as well.
- The telephone caller does not hear the radio transmittal. Once the radio transmission is complete, the dispatcher disengages the push-to-talk button or removes their foot from the footswitch. The telephone caller is there waiting to continue conversation.
- Should the user select the optional "simultaneous receive" feature when ordering, the user will continue to hear the telephone caller in their ear, but at a lower volume, while transmitting on the radio. Also available at time of order is the ability to hear selected radio transmissions at a lower volume while conversing on the telephone. These "simultaneous receive" features can be added in the field by a certified radio technician, but may void the warranty.
- Incoming audio volume can be increased or decreased by the adjustment knob on the front panel.
- Adjustments for mic gain can be made by using a small, thin-blade screwdriver. To increase the telephone mic output, insert screwdriver into the hole marked "TELCO MIC OUT" on the rear panel. Turn clockwise in very small increments. This can be tested as you are talking on the telephone. Increase only to the point where your voice can be heard clearly. DO NOT USE EXCESSIVE MIC GAIN. Selection of a different telephone cable (A, B or C) may be necessary.
- To increase radio mic output, insert screwdriver into the hole marked "RADIO MIC OUT" and turn clockwise in very small increments. Test levels while dispatching on the radio. DO NOT USE EXCESSIVE MIC GAIN.
- For handset use, remove the two-prong plugs of headset cable from the *SwitchMate II™*. Use telephone handset as normal.

# RadioMate® SwitchMate II™

## Front Panel



## Back Panel



## Additional Headset Interfaces



**RadioMate® JackMate™**  
*Headset Interface for Radio Dispatch Only*



**RadioMate® SwitchMate I™**  
*Headset Interface for use with Two Radios*

**RadioMate®**