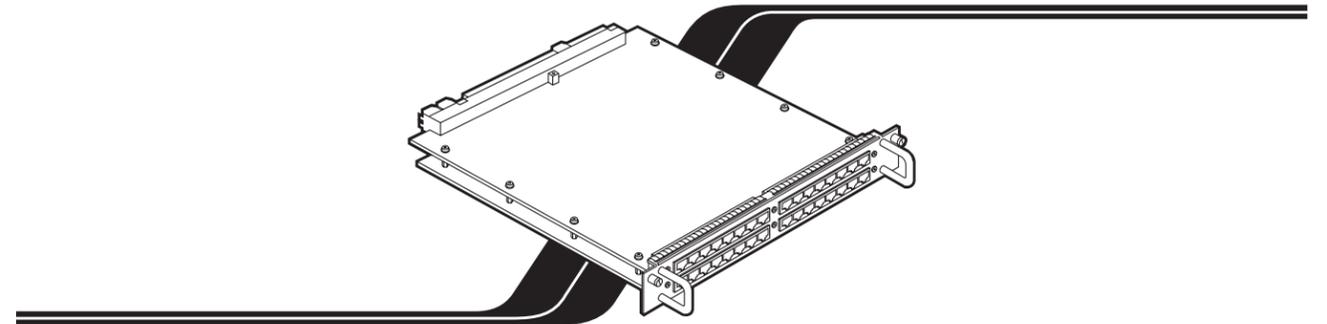4. Remove the blanking plate on the Hub's rear panel that covers the slot you want to install your Transmit Module in. Gently slide your Module into the Hub's chassis and tighten the retaining screws.

5. Lastly, referring to the layout you should have planned in step 1, run Category 5 cables between the ports on the Transmit Module and the ports on the CAT5 Receive Cards in the other ServSwitch Multi units in your system. For each Module-port/Card-port pair that you want to interconnect, one cable should connect the Module port's video connector (the upper of its two RJ-45s) with the Card port's video connector (the lowest of its three RJ-45s); a second cable should connect the Module port's keyboard/mouse connector (the lower of its two RJ-45s) with the Card port's keyboard/mouse connector (the middle of its three RJ-45s). Don't make any connections to the Card port's multimedia (serial/audio) connector (the uppermost of its three RJ-45s); the Hub doesn't carry multimedia signals.

The Transmit Module should now be ready for continuous operation, as soon as you update the configuration of the rest of your ServSwitch Multi system. Refer to your ServSwitch Multi system's manual for information about operating the ServSwitch Multi Hub and the rest of your ServSwitch Multi system.

CUSTOMER SUPPORT INFORMATION

Order **toll-free** in the U.S.: Call **877-877-BBOX** (outside U.S. call **724-746-5500**)
FREE technical support 24 hours a day, 7 days a week: Call **724-746-5500** or fax **724-746-0746**
Mailing address: **Black Box Corporation**, 1000 Park Drive, Lawrence, PA 15055-1018
Web site: **www.blackbox.com** • E-mail: **info@blackbox.com**

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NETWORK SERVICES

SEPTEMBER 2000
KV1701C

Transmit Module for ServSwitch™ Multi Hub

Transmit Modules (product code KV1701C) and their companion Receive Modules (KV1702C) are the components of the ServSwitch Multi Hub (KV170RA) that handle its communication with other ServSwitch Multi units. Here's how to configure and install your Transmit Module:

1. First—before you do anything else—*plan your layout.* Figure out which of your ServSwitch Multi system's Receive-Card ports you want to connect to the Transmit Module's ports. You might want to refer to the sample layouts in the chapter about the Hub in the manual for the ServSwitch Multi system. If you're not sure what the best arrangement of cable connections would be, please call Black Box Technical Support. (We strongly encourage you to call Black Box Tech Support anyway, to discuss your application, before you perform *any* large or complex ServSwitch Multi installation.)

2. *If you are installing this Module at the same time you install the Hub:* If you haven't done so already, install the fan assemblies and power supplies in your Hub. Plug in the power supplies and turn them ON.

NOTE

Make sure you set the Hub's chassis ID before you make cable connections from any Module installed in this Hub to any CAT5 Expansion Cards in other ServSwitch Multi units! Refer to the chapter about the Hub in your ServSwitch Multi manual for instructions on how to do this.

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NOTE

If it will be easier for you to configure the Transmit Module while you're looking at cables you've already installed, feel free to attach your expansion cables to the Module (refer to step 4) before you do step 3.

3. Next you will need to configure the DIP switches on your Transmit Module. The Module has sixteen dual-RJ-45 Transmit ports on it, numbered 1 through 16 from left to right, as shown in Figure 3 on the next page. Each port has three six-position DIP switches that you need to set for the length of the Category 5 cable that will be attached to the port. The locations of these DIP switches are shown in Figure 1, and their possible settings are shown in Figure 2 on the next page. For any given Transmit port, leave all of the switch positions set to OFF if the cable you'll be attaching to that port isn't more than 25 ft. (7.6 m) long. If the cable is longer, move a position of each switch to ON for each 50 ft. (15.2 m) longer, starting with the leftmost position and working toward the right. For example, set the leftmost position ON if the cable is between 25 and 75 ft. (7.6 and 22.9 m) long; set the two leftmost positions ON if the cable is between 75 and 125 ft. (22.9 and 38.1 m) long; and so on, up to a maximum of 250 ft. (76.2 m), which is the greatest length of CAT5 expansion cable that the ServSwitch Multi system can support.
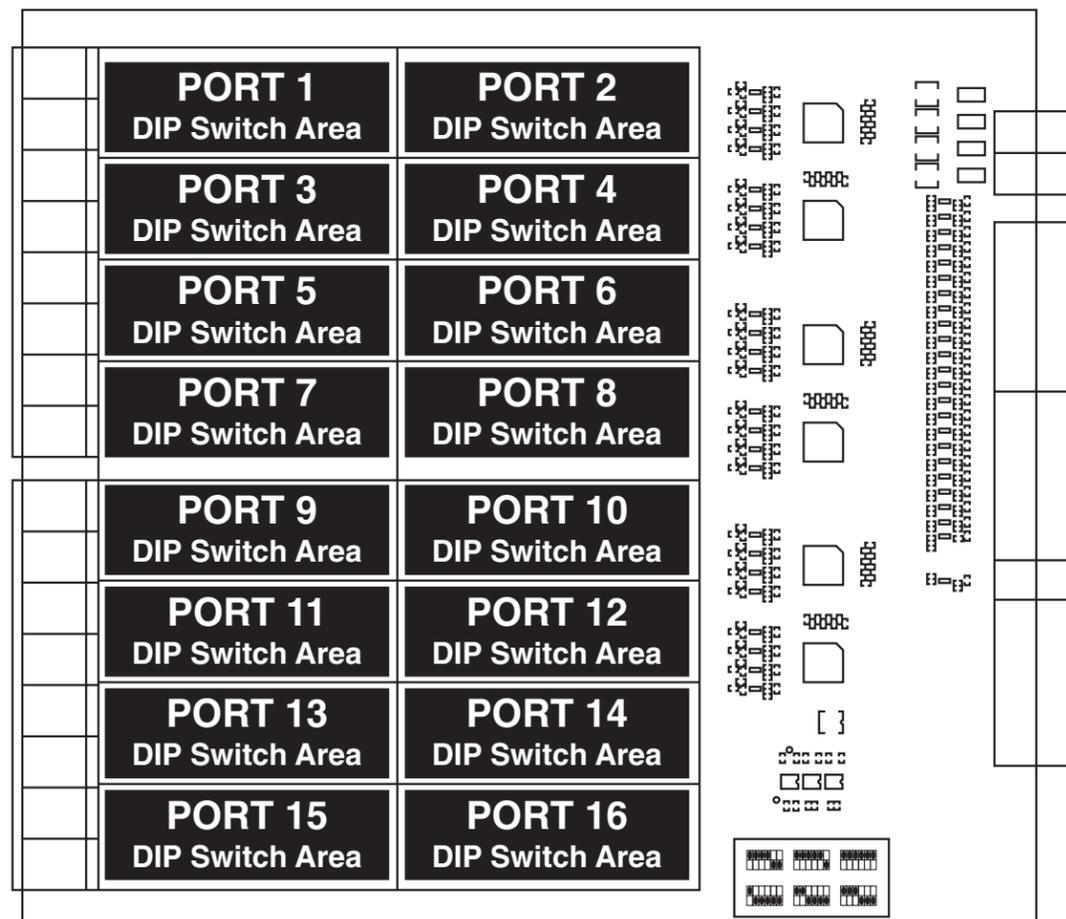

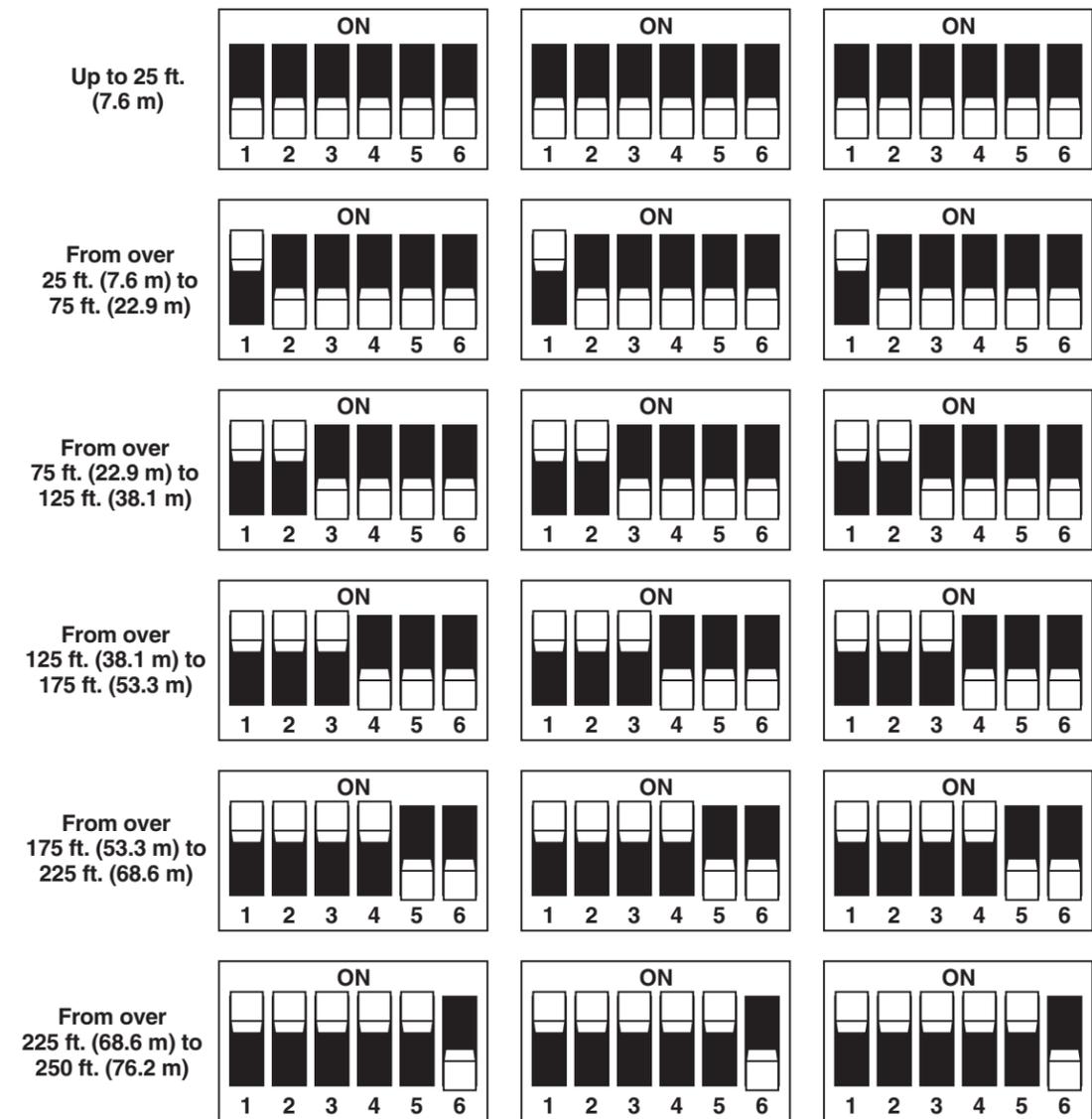Figure 1. The DIP-switch areas on the Transmit Module's circuit board.
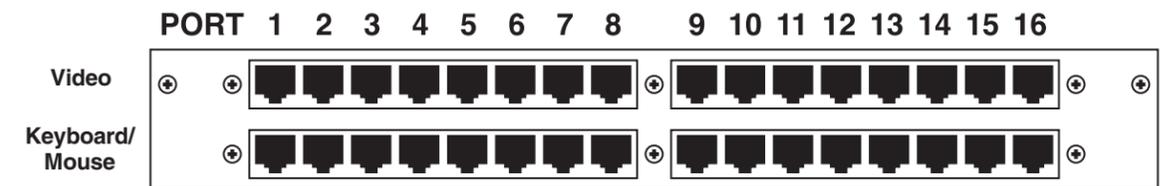
Figure 2. The Transmit Module's possible DIP-switch settings.

Figure 3. The port layout of the Transmit Module.