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Wireless Communication

The InterWrite™ family of products employs *Bluetooth™* wireless technology to establish wireless communication between its whiteboards and pads and a PC. A Bluetooth device, either a TDK USB Adaptor, or a TDK PC Card, is installed on the PC. The BTCOM module is connected to the whiteboard. The 300 series pads come equipped with an internal Bluetooth device—no installation is required.

An InterWrite system that includes a whiteboard and pads communicates with the PC by means of a single Bluetooth device (adaptor or card). Up to seven Bluetooth-enabled devices can communicate with the Bluetooth device on the PC. One and only one Bluetooth device can be installed on the PC.

Whiteboards and pads participating in a meeting do not have any restrictions regarding proximity to each other. They can be side-by-side and will experience no interference with communications with the PC.

Installation

Before the BTCOM is connected to the whiteboard, the whiteboard should be powered off and any cable connections to the PC should be disconnected.

The BTCOM module is attached to the upper right corner of the whiteboard and the RJ12 connector is plugged into the RJ12 port on the controller housing box. When the whiteboard is powered on, it will beep four times to indicate it has power and two times to indicate it has recognized the BTCOM module.

The 300 series pads (Bluetooth-enabled pads) require no installation. They only need to be charged up for about three hours before they can be powered on. When powered on, a 300 series pad will beep four times to indicate it has power.

The Bluetooth software must be installed on the PC before the Bluetooth device (USB Adaptor or PC Card) is installed. Then, the TDK USB Adaptor is plugged into the USB port, or the PC Card is inserted in the PCMCIA slot on the computer.

Establishing Communication

The InterWrite software facilitates communication between the Bluetooth-enabled whiteboard and pads and the Bluetooth device installed on the PC. Be sure the whiteboard and pads are powered on and active. Be sure the adaptor or card is powered on and active—the green light should be on and flashing. Only active devices will be linked by the InterWrite software.

When you click on the InterWrite icon, select **Devices** from the **Device Manager** menu, and click on the **Manage Bluetooth Devices** button, the **Manage Bluetooth Devices** window displays. Devices that have been set to *Connect now and in the future* and have already been discovered will display in the list box. A search for new devices is initiated by clicking on the **Discover New Devices** button. Devices discovered during the search will be recorded in the list box. A Connection option can be

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selected (or changed) for each device in the list box. *Ignore the device*, the default setting, prevents the device from being recognized by the system, excluding it from participating in any meetings. *Connect now* means the device will be recognized only during the current meeting or session. *Connect now and in the future* – the most common connection selection – means the device will be connected at this time and, if the *Enable Auto-Connect* checkbox is checked, the PC will scan continuously for this and other active Bluetooth devices and attempt to connect them.

If this continuous scanning is interfering with the proper operation of other Bluetooth-enabled devices (phones, PDAs, etc.), Auto-Connect can be disabled. When Auto-Connect is off, the active InterWrite Bluetooth devices set to *Connect now and in the future* will be connected automatically only when the computer is started up and the Bluetooth device is powered on.

If a whiteboard or pad is not working properly, or is not being discovered: make sure it is charged (pad), or plugged in (whiteboard); make sure it is turned on; restart the PC, which will reset the Bluetooth device; and, as a last resort, try disconnecting the device from the PC, reconnecting it, then retrying the **Discover New Devices** option in the Bluetooth Manager dialog described earlier.

Additional Notes

Begin an InterWrite Session

When you begin an InterWrite session and your whiteboard and pads are not auto-connected, first, make sure all devices are powered on, then, click on the InterWrite icon on the System Tray in the Windows Task Bar and select the **Session Manager** option from the Device Manager menu. Find your whiteboard and/or pads in the list of registered devices and click on the **enable** icon with the blue stripe. Each device will beep once when it has been *enabled*. A pop-up note from the InterWrite Device Manager will appear near the InterWrite icon on the computer screen indicating each device that has been connected. Close the **Session Manager** window.

Name the Device

If you want to give your Bluetooth device a unique name, click on the InterWrite icon and select the **Devices...** menu option. All connected Bluetooth devices will be listed in the **Recognized Devices** list box. Select the device you want to name by clicking on it (it will probably display as *Not set logged in as Guest*). When a device is selected in the list box, the buttons below it are activated. Click on the **Properties** button. Type in the name you want to assign to the selected device. Click on the **OK** button when you have finished naming devices. Now the devices will be displayed in the Recognized Devices list box using the names you assigned them. Click **OK** to exit.

User Profiles

When multiple pads are used during an InterWrite session, it is helpful to be able to distinguish which pad is currently operating the pen. The default ID of all Bluetooth-enabled devices is *Guest*. You can set up and edit user profiles by selecting the **Edit Users...** option on the **Device Manager** menu, or by clicking on the **Link** button on the pad. When you click on the **Link** button on a pad, a prompt box displays the following message: *This device is already logged in. Do you wish to log in under a new user profile?* Click on the **Yes** button.

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Define a New User

Each user profile you define can be assigned a unique pointer. Click on the **Add User** button. In the **Name** text box, highlight *New User* and type the user's name. Select a pointer from the drop-down array to assign to the user. Click **OK**.

Change Users

Select a user profile from the list box and click **OK**.

Bluetooth Stack Errors or Bluetooth Tray errors

If you get a stack or tray error, it's probably because you installed the adaptor or card before you installed the Bluetooth software, instead of after.

Remove the Bluetooth software by selecting the **Add/Remove Programs** option from the **Control Panel**, finding the TDK Bluetooth software in the list, and removing it. Disconnect the TDK USB Adaptor or remove the TDK PC Card from the slot. Restart your computer.

Search for all files with TDK in the name and remove them. Restart your computer.

Install the TDK software. Restart your computer.

Connect the TDK USB Adaptor, or insert the PC Card in the PCMCIA slot. The software will auto-detect the Bluetooth device and configure it.