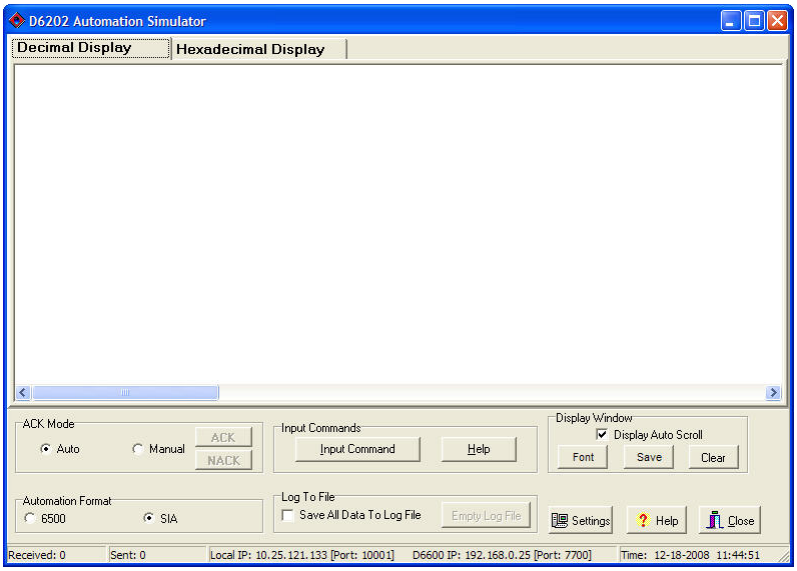
D6202



EN

Installation and Operation Guide

Automation Simulator Software

BOSCH

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Mouse Operation Symbols

Double-click the left mouse button.

Click the left mouse button once.

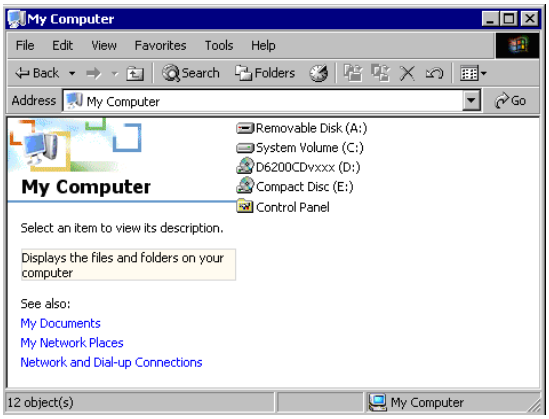
Click the left mouse button once and hold.

Click with the right mouse button once.

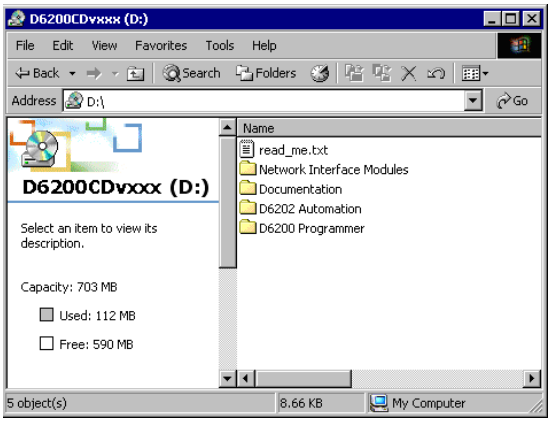
1.0 Installation

Use this software to troubleshoot the connections between the automation software PC and the D6600/D6100IPv6 Receiver.

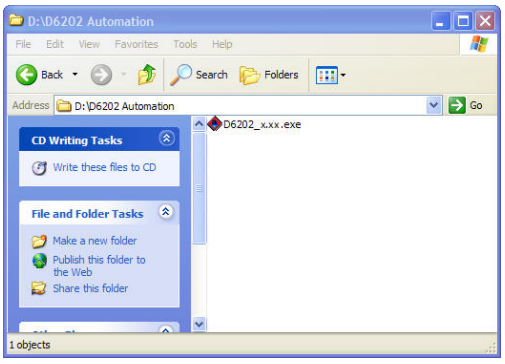
1. Insert the D6200 CD-ROM.



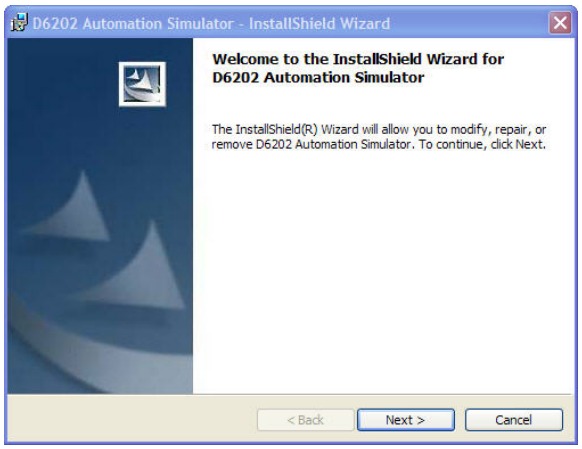
2.



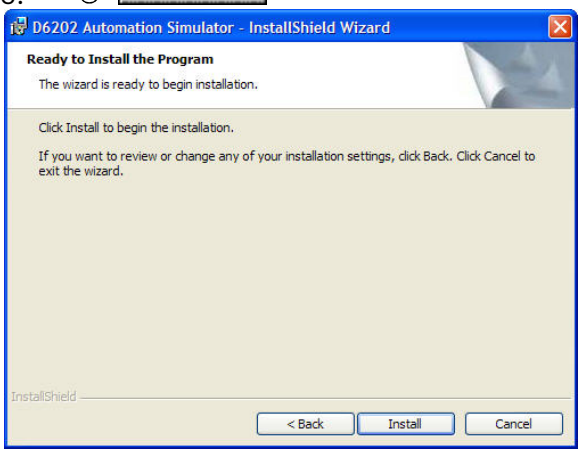
3.

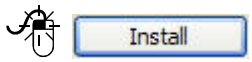


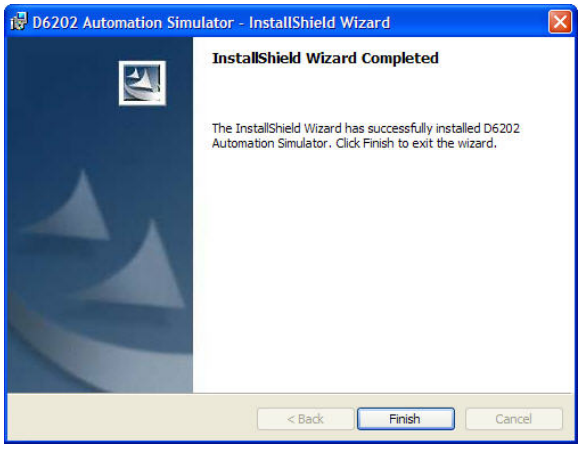
4.



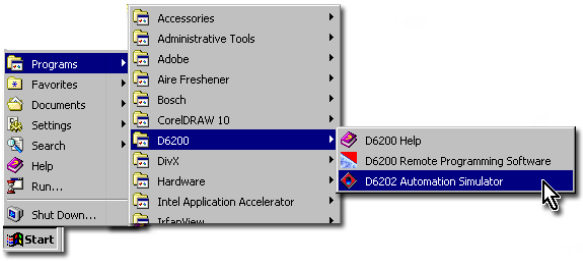
5.



6. 



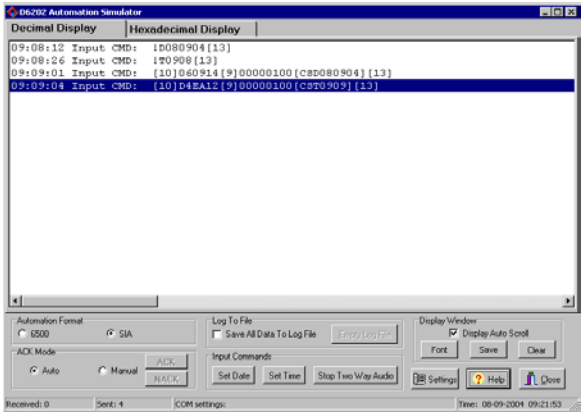
7.

8. 

2.0 Setup and Configuration

When the program starts, the Automation Simulator window appears on the screen (*Figure 1*). Use this program to view the receiver's output from a COM3 direct serial connection or from a network connection.

Figure 1: Automation Simulator Window



Two display formats (decimal and hexadecimal) are available. To select a format, click the appropriate tab at the top of the screen.

Before you can use the D6202 Software, you must set up the software to match the current settings of the D6600/D6100IPv6 Receiver.

2.1 Setting Up the RS-232 Connection

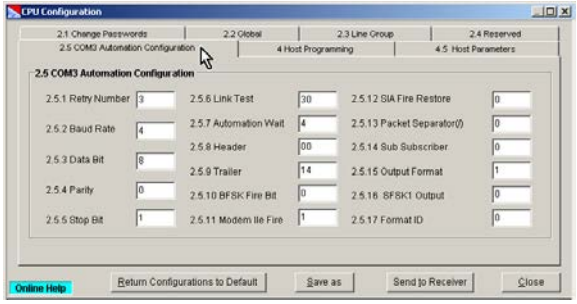
> When connecting to the D6600/D6100IPv6 Receiver using a TCP/IP network connection, refer to *Section 2.2 Setting Up the TCP/IP Connection* on page 5.

You must record the current values for these receiver parameters:

- Baud rate (Menu Item 2.5.2)
- Data Bit (2.5.3)
- Parity (2.5.4)
- Stop Bit (2.5.5)
- Trailer (2.5.9)
- Output Format (2.5.15)

You can access these settings using the D6200 Software or using the keypad on the D6600/D6100IPv6 Receiver. You then set the corresponding values in the D6202 Software.

To access the RS-232 settings using the D6200 Software:

1. 

2. Record the values for Menu Items 2.5.2 through 2.5.5, 2.5.9 and 2.5.15.

To access the RS-232 settings using the D6600/D6100IPv6 keypad:

1. Access receiver programming menus. Refer to the *Program Entry Guide* (P/N: 4998122702).

```
1 EVENT DATABASE
Welcome Manager...
```

2.


```
2 CPU CONFIGURATION
```

3.


```
2.1 Change Passwords
```

4.

4x

```
2.5 COM3 Automation Configuration
```

5.

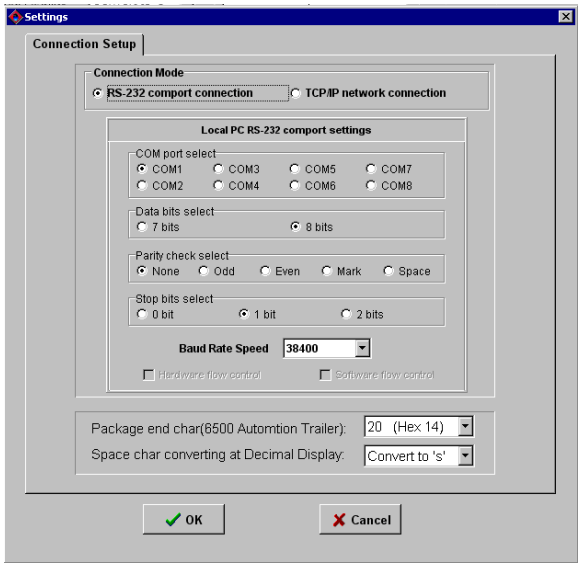

```
2.5.1 Retry Number
Current setting [3]
```

6.

to show Menu Items 2.5.2 through 2.5.5, 2.5.9 and 2.5.15. Record each value.

To set up the RS-232 connection in the D6202 Software:

1.



2.

3. Enter the values you recorded for data bits, parity, stop bit, baud rate, and 6500 automation trailer.

4.

5. Select the Automation Format that you recorded for Menu Item 2.5.15 (1 = 6500 Mode, 2 = SIA Mode).

2.2 Setting Up the TCP/IP Connection

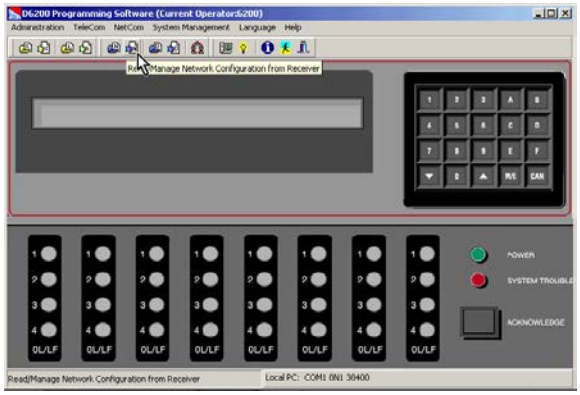
When connecting to the D6600/D6100IPv6 Receiver using an RS-232 connection, refer to *Section 2.1 Setting Up the RS-232 Connection* on page 4.

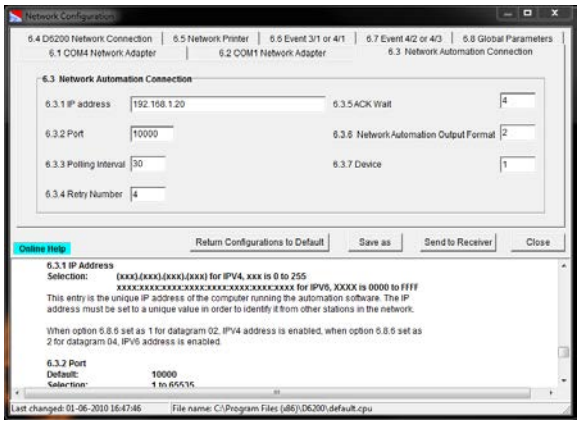
Use the 6200 Software to record the current values for these receiver parameters:

- IP address (Menu Item 6.3.1)
- Port (Menu Item 6.3.2)
- Network Automation Output Format (Menu Item 6.3.6)
- Device (Menu Item 6.3.7) parameter must be set to 1

To access the TCP/IP settings using the D6200 Software:

In a network configuration, if both the D6200 and D6202 are installed on the same PC, ensure that the local port on the D6202 is not the same as the local port being used by the D6200 software.

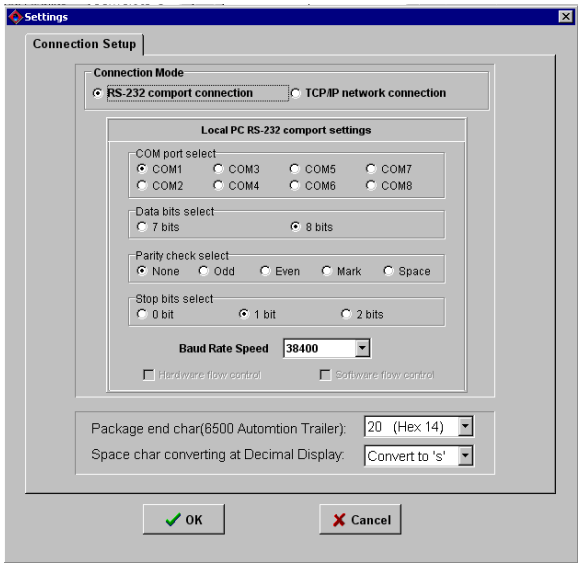
1. 

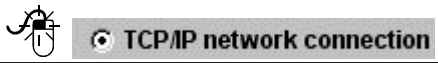
2. 

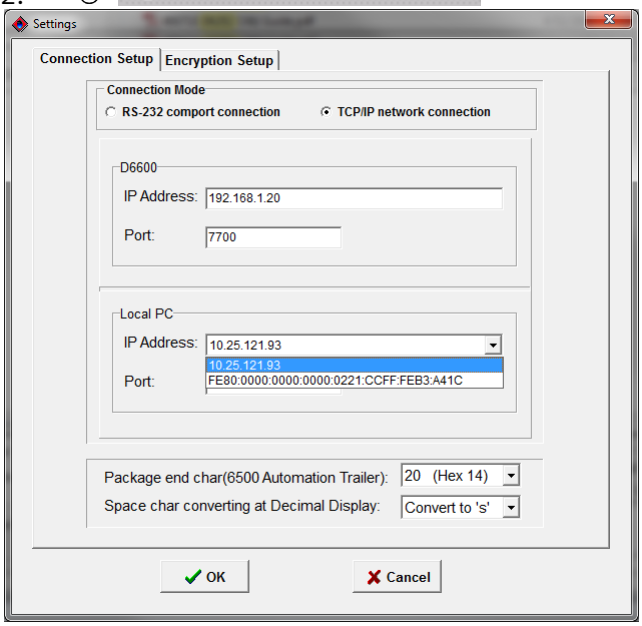
3. Record the values for Menu Items 6.3.1, 6.3.2, and 6.3.6, and check that Menu Item 6.3.7 is set to 1 (1 = Network Automation).

To set up the TCP/IP connection in the D6202 Software:

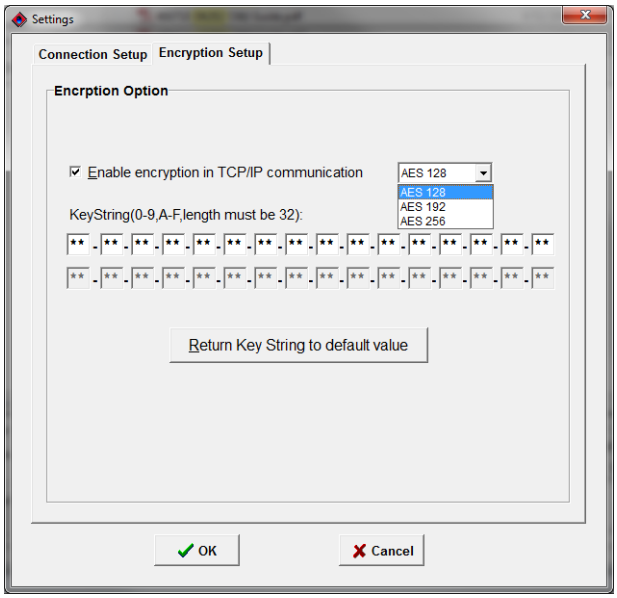
1.



2. 



3. Enter the IP address of the D6600 (the D6686/D6682/D6680 Network Interface Module) or the D6100IPv6. The IP address field allows either an IPv4 or IPv6 address to be entered.
4. Enter the port number of the D6600 (the D6686/D6682/D6680 Network Interface Module) or the D6100IPv6.
5. The IP Address field for the Local PC has a drop down that allows you to pick the local IPv4 Address or the Local IPv6 Address of the local PC.
6. For the Local PC port, enter the value that is programmed in the receiver Menu Item 6.3.2.
7. If encryption is enabled on the receiver, then it also needs to be enabled in the D6202. If using Encryption, click the Encryption Setup tab. If not, skip to Step 11.



8. Check the box to enable encryption.
9. Select the level of encryption that is being used, AES 128, AES192, or AES256 by using the drop-down box.
10. Enter the same encryption key that is being used by the receiver.
11.

12. Select the Automation Format that you recorded for Menu Item 6.3.6 (1 = 6500 Mode, 2 = SIA Mode).

13. Select the mode for acknowledging events from the receiver.

- **Auto:** All messages to and from the receiver are automatically acknowledged.
- **Manual:** The D6202 does not automatically respond to messages. When this mode is selected, messages appear for acknowledgment. When a message appears, the ACK (Acknowledge) and NACK (No Acknowledge) buttons are active.
  - Click **ACK** to acknowledge a message and move to the next one.
  - Click **NACK** to force the receiver to send the same message again.

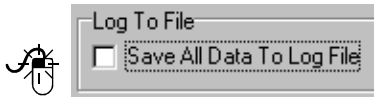
Disable the link test in Menu Item 2.5.6 on the receiver or press [ACKNOWLEDGE] (on the receiver) to clear display messages when they occur.

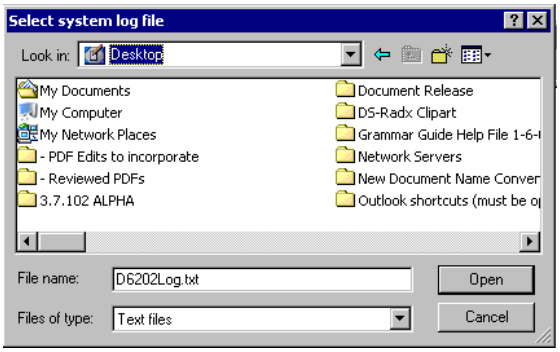
3.0 Using the D6202 Software

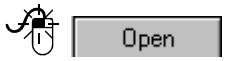
3.1 Log File

You can store all data in a log file.

The log file records all the data from the display buffer. The display buffer can hold up to 32,000 lines of data. Use the Log File option to view more than 32,000 lines. The log file is updated every 10 sec. If a computer fails, the log file contains all the data the display buffer received before the last update. The log file is a text file (.txt extension) by default.

1. 



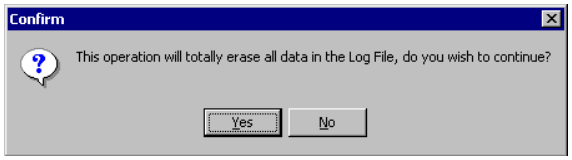
2. Enter a file name.
3. 

Log data is now saved to that file.

To stop saving display data to a log file:

To clear out the log file:

1. Empty Log File



2. Yes Empties the log file

The Log File remains in the same location, but is empty at this point. Data in the display buffer is not affected by emptying the log.

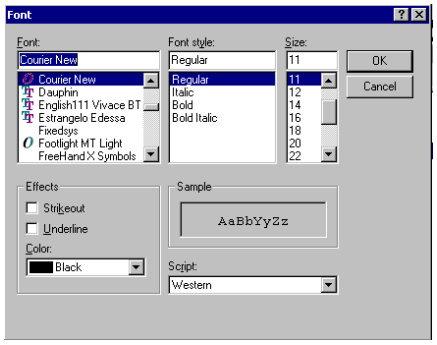
Make your selections carefully. After a Log File is emptied, the data cannot be retrieved.

If the displayed data is not saved and the Log File option is not selected, old data is lost when new data is received if the buffer is full (contains 32,000 lines).

3.2 Font, Save, and Clear Buttons

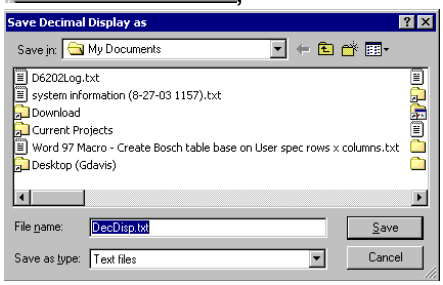
Figure 2: Font, Save, and Clear Buttons

Font — Opens a window that allows you to change the font and size of the text shown in the display window.

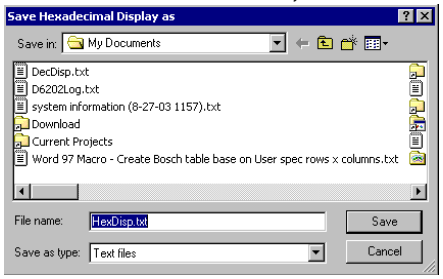


Save — Save the data in the display buffer depending on the type of display selected.

Decimal Display,



Hexadecimal Display,



Clear — Empties all unneeded data.

The file can hold up to 32,000 lines of data.

Click **Clear** if the software is not recording data in a Log File and to permanently delete all data in the buffer. If the Log File option is used, data is saved to the log.

3.3 Display Auto Scroll

Check this option (*Figure 2* on page 8) for the window to scroll down automatically with incoming events when the viewable display is full. If Display Auto Scroll is not selected, the incoming data is visible until the window is full. To view the incoming data, use the scroll bar to the right of the display window. The buffer size (32,000 lines) is not affected by how much data is viewable on the display screen.

3.4 Input Commands

Set the D6600/D6100IPv6 Menu Item 2.2.4 Enable Input Commands to 1 to enable this function.

Click the **Input Command** button to open the Input Commands Control pane.

Figure 3: Input Commands

Refer to *Figure 4* below and *Table 1* on page 9 for information about the functions that send commands to the receiver.

Figure 4: Set Date

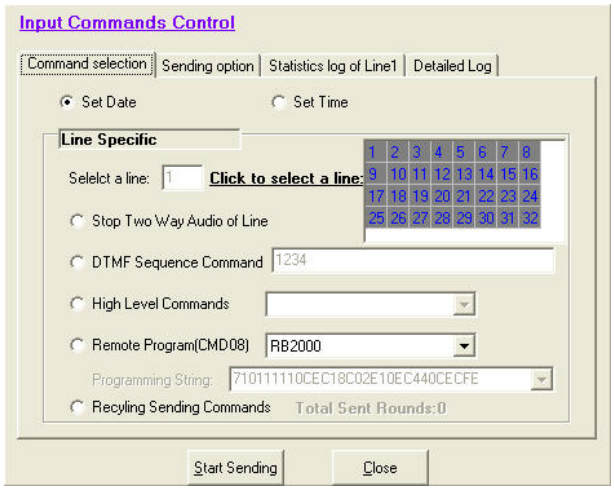
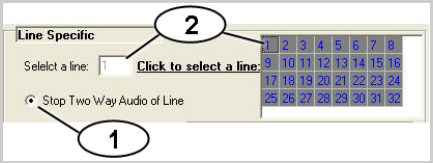


Table 1: Input Command Control Functions

Function	Description
Set Date	Synchronizes the receiver's date with the computer running the D6202 software and enables the input command option on the receiver. Click the **Start Sending** button to send the command to the receiver.
Set Time	Synchronizes the receiver's time with the computer running the D6202 software and enables the input command option on the receiver. Click the **Start Sending** button to send the command to the receiver.
Stop Two Way Audio of Line	Opens a window to stop a two-way audio session for a specific line. The number of lines depends on how many line cards are installed in the receiver. 1. Click the **Stop Two Way Audio of Line** button. 2. Click the number box corresponding to the desired line. The line number then appears in the **Select a line** field (read-only).  Click the **Start Sending** button to send the command to the receiver.

All other functions in this software are for special applications. Refer to the software's online help for more information.

3.5 Closing the D6202

Save all data before closing the program.

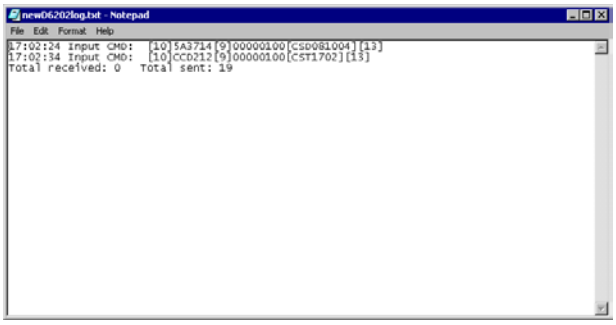
At the end of a session, click the **Close** button to shut down the D6202 software.

Set the D6600/D6100IPv6 Menu Item 2.2.4 Enable Input Commands to 1 to enable this function.

4.0 Troubleshooting in a Log File

Use a log file to troubleshoot connection problems between the receiver and the PC. Examine the log file and referring to *D6600/D6100IPv6 Computer Interface Manual* (P/N: 4998122703) for communication format messages to help isolate the connection problem.

Figure 5: Example of a Log File



Because the log file is a small text document, it can be sent to Bosch Technical Support for further analysis. Contact Bosch Technical Support first for assistance.

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4998122713-04

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