

Sample Applications

There are several sample applications included with the installation CD to illustrate some of the basic and extended functionality that the Optimus units contain. There are several examples of batch applications, where the data is stored on the unit and then transmitted back to the host. All samples are included in the “Sample Optimizer Applications” folder installed by default at “C:\Program Files\Metrologic Instruments\Optimus”.

Default Batch Example

This program illustrates how to collect bar code data and assign a quantity to it, which is useful for creating an inventory file. This is the sample program that ships by default on the Optimus batch units. Below are the steps to open the program, load it to the Optimus, collect data, and upload the data back to the host system.

1. Click on the “Start” menu on the bottom left of your screen.
2. Click on “Programs”, then “Optimus Software”, and finally “Optimizer”. The Optimizer program should open up (see **Figure 1**).

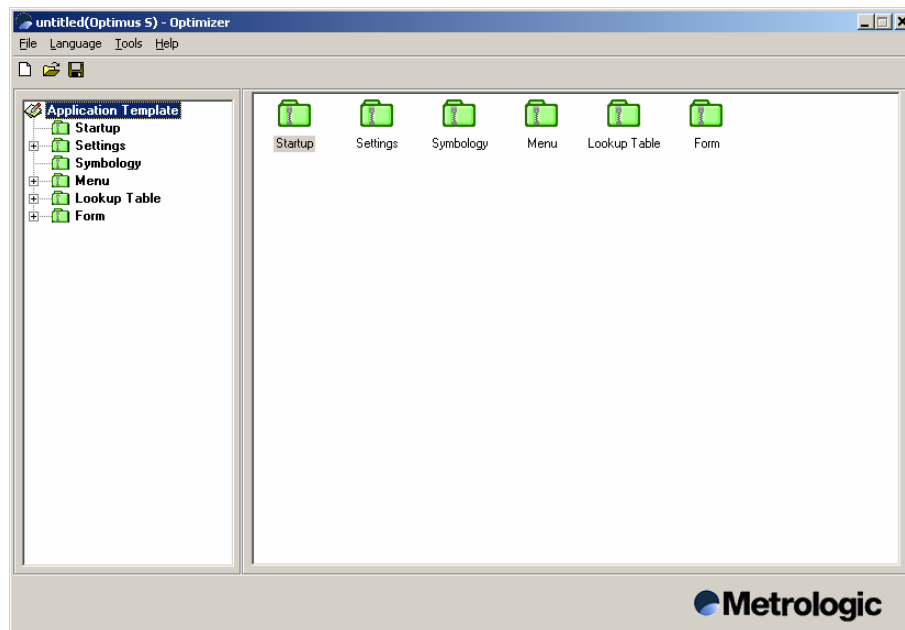


Figure 1: Optimizer at Startup

3. Click on the “File” menu and then “Open”.
4. Browse to the “Sample Optimizer Applications” folder (by default located in “C:\Program Files\Metrologic Instruments\Optimus”).
5. Click on the “Batch Examples” folder and open either “OptimusS Default Example.opt” or “OptimusR Default Example.opt” depending on your terminal type.
6. On your Optimus unit, press “ESC” until you are at the main menu. Choose the “Utilities” option, then the “Transfer Files” option, and finally the “Get Program” option. Confirm the unit’s baud rate and method of communication. Place the unit in its cradle, or if the unit has the ability for direct connection, connect the communication cable to the unit.

7. From the Optimizer program, choose the “Tools” menu item, then “Communication”, and finally “Download Program”. The Optimizer window will minimize and the download window will open (see **Figure 2**).

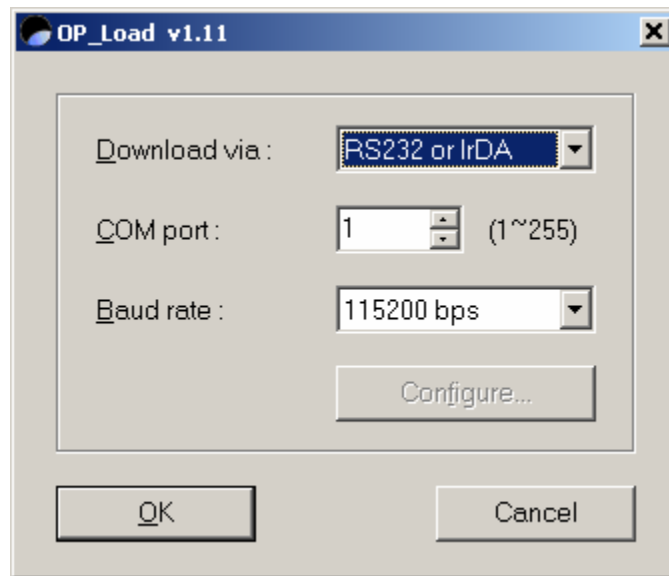


Figure 2: Download Window

8. Choose the correct option for your download type:
 - a. If you are going through a cradle, you should download via “Cradle-IR”.
 - b. If you are directly connected, you should download via “RS232 or IrDA”.
9. Make sure the COM port number matches the port number into which your cradle or unit is plugged.
10. Make sure the Baud rate matches the baud rate of the unit. Press OK and downloading will commence.
11. After download is complete, choose the “Run Program” option on your Optimus. A screen will come up with “Item:” and “Qty:” displayed. You can now begin collecting data.
12. Scan a bar code for the “Item” field and enter a quantity to associate with this bar code.
13. After you are finished, press “ESC” on the Optimus until you get to the main menu. Choose the “Utilities” option, then “Transfer Files”, and finally “Send Data”. Confirm the unit’s baud rate and method of communication. Place the unit in its cradle, or if the unit has the ability for direct connection, connect the communication cable to the unit.
14. From the Optimizer program, choose the “Tools” menu item, then “Communication”, and finally “Receive Data”. The upload window will open (see **Figure 3**).

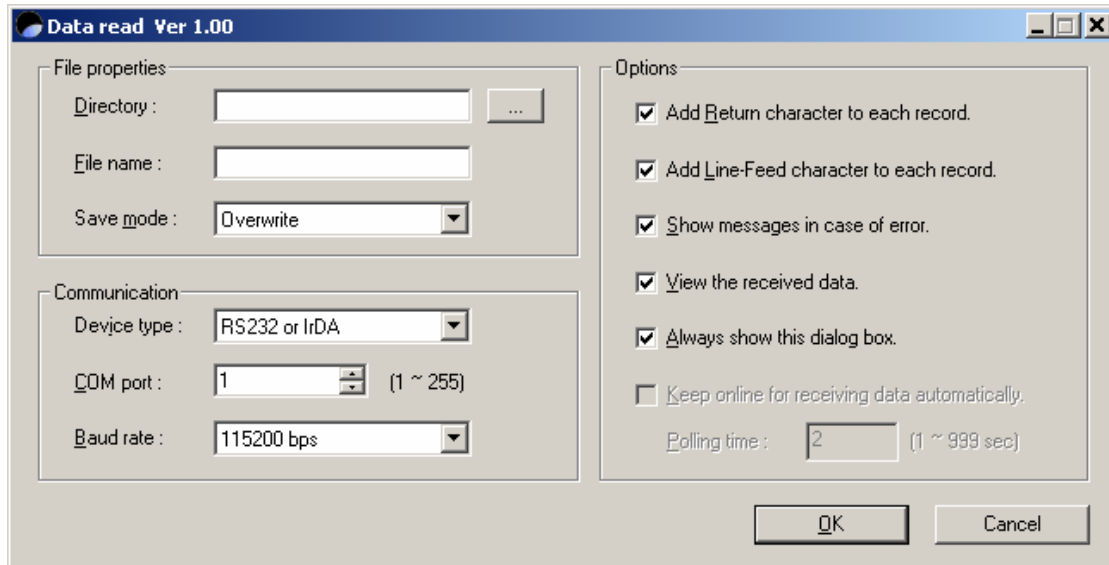


Figure 3: Upload Window

15. Select a directory and a file name to save your data into.
16. Choose the correct option for your download type:
 - a. If you are going through a cradle, you should download via “Cradle-IR”.
 - b. If you are directly connected, you should download via “RS232 or IrDA”.
17. Make sure the COM port number matches the port number into which your cradle or unit is plugged.
18. Make sure the Baud rate matches the baud rate of the unit. Press OK and uploading will commence.
19. After upload is complete, you will be asked if you would like to view your data. Select “Yes” and a text file will appear with the data you have collected in the following format: bar code, quantity.

Batch with Lookup Example

This program expands upon the functionality of the default batch example and illustrates how a lookup file can be used to return specific information about data entered, like description of the item and existing quantity in stock. This is useful for updating inventory files. Below are the steps to open the program, load it to the Optimus, load a lookup file to the Optimus, collect data and update the lookup file, and upload the data back to the host system.

1. Click on the “Start” menu on the bottom left of your screen.
2. Click on “Programs”, then “Optimus Software”, and finally “Optimizer”. The Optimizer program should open up (see **Figure 1**).
3. Click on the “File” menu and then “Open”.
4. Browse to the “Sample Optimizer Applications” folder (by default located in “C:\Program Files\Metrologic Instruments\Optimus”).

5. Click on the "Batch Examples" folder and open either "OptimusS Batch with Lookup Example.opt" or "OptimusR Batch with Lookup Example.opt" depending on your terminal type.
6. On your Optimus unit, press "ESC" until you are at the main menu. Choose the "Utilities" option, then the "Transfer Files" option, and finally the "Get Program" option. Confirm the unit's baud rate and method of communication. Place the unit in its cradle, or if the unit has the ability for direct connection, connect the communication cable to the unit.
7. From the Optimizer program, choose the "Tools" menu item, then "Communication", and finally "Download Program". The Optimizer window will minimize and the download window will open (see **Figure 2**).
8. Choose the correct option for your download type:
 - a. If you are going through a cradle, you should download via "Cradle-IR".
 - b. If you are directly connected, you should download via "RS232 or IrDA".
9. Make sure the COM port number matches the port number into which your cradle or unit is plugged.
10. Make sure the Baud rate matches the baud rate of the unit. Press OK and downloading will commence.
11. After download is complete, the Optimizer window will come back up on the screen. The lookup file must now be downloaded to the unit. Choose the "Tools" menu item, then "Communication", and finally "Download Lookup table". The lookup download window will open (see **Figure 4**).

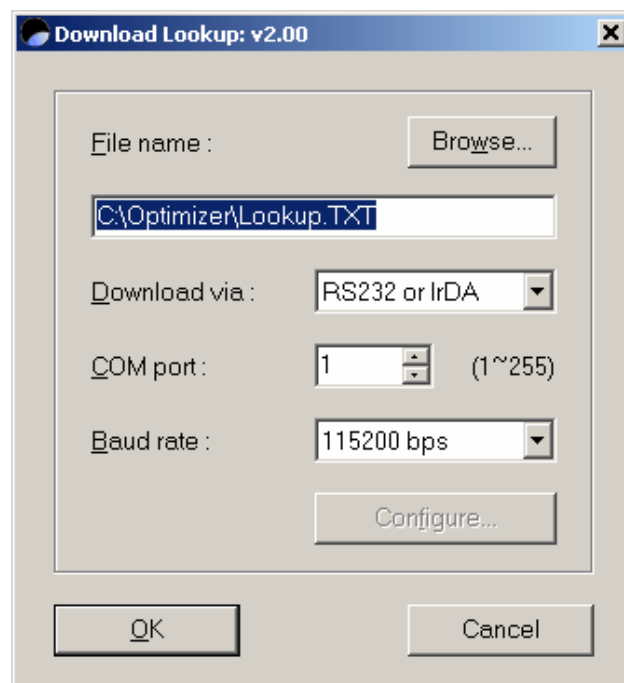


Figure 4: Lookup Download Window

12. Browse to the file "Lookup for Extended Example.txt" located in the same directory as the sample program.
13. Choose the correct option for your download type:
 - a. If you are going through a cradle, you should download via "Cradle-IR".
 - b. If you are directly connected, you should download via "RS232 or IrDA".
14. Make sure the COM port number matches the port number into which your cradle or unit is plugged.
15. Make sure the Baud rate matches the baud rate of the unit. Press OK and downloading will commence.

16. After download is complete, choose the “Run Program” option on your Optimus. A screen will come up with “Item:”, “Desc:”, and “Qty:” displayed. You can now begin collecting data.

Note: Since this is a lookup example, the bar codes must match the lookup information in order to retrieve details of an item. Therefore, you must print out the “Bar Codes for Batch with Lookup Examples.pdf” file that is included in the same directory as the lookup file and scan the bar codes on this page to achieve proper functionality.

17. After you are finished, press “ESC” on the Optimus until you get to the main menu. Choose the “Utilities” option, then “Transfer Files”, and finally “Send Data”. Confirm the unit’s baud rate and method of communication. Place the unit in its cradle, or if the unit has the ability for direct connection, connect the communication cable to the unit.
18. From the Optimizer program, choose the “Tools” menu item, then “Communication”, and finally “Receive Data”. The upload window will open (see **Figure 3**).
19. Select a directory and a file name to save your data into.
20. Choose the correct option for your download type:
 - a. If you are going through a cradle, you should download via “Cradle-IR”.
 - b. If you are directly connected, you should download via “RS232 or IrDA”.
21. Make sure the COM port number matches the port number into which your cradle or unit is plugged.
22. Make sure the Baud rate matches the baud rate of the unit. Press OK and uploading will commence.

After upload is complete, you will be asked if you would like to view your data. Select “Yes” and a text file will appear with the data you have collected in the following format: bar code, description, quantity.