

# **NewBalance User Guide v1.0**

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## Installing NewBalance

To install NewBalance it will require administrator privileges, be sure you have an administrator available, or you have elevated privileges on your Windows user account. You will also need .NET 4.5 Dependencies, if you have Windows 7 or later those dependencies should already be included on your computer and you can skip the following steps for installing the .NET Dependencies.

### .NET Dependencies

If the following URL changes, search for “Microsoft .NET 4.5 Download” on Google. The first option that shows up from Microsoft should take you to download page necessary.

Current Link: <http://www.microsoft.com/en-us/download/details.aspx?id=30653>

Once you have downloaded “dotNetFx45\_Full\_setup.exe”, double click the file and follow the step by step instructions on screen.

### NewBalance Installer

Double click NewBalanceInstaller.msi, follow the step by step instructions to install the program.

### Default Installation Directory

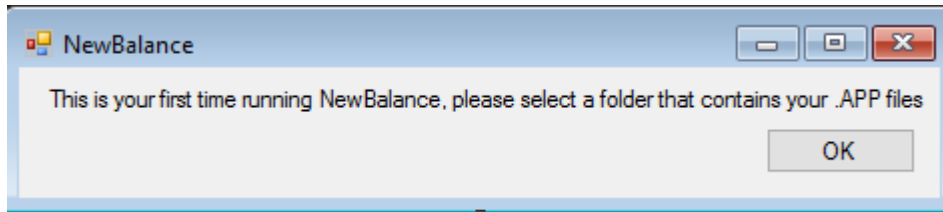
The default directory is C:\Program Files(x86)\Washington State University\NewBalance

The file that you want to run is NewBalance.exe, NewBalance.exe.config is a file that the program reads from to load any default settings within the program. Double clicking this file will not open NewBalance.

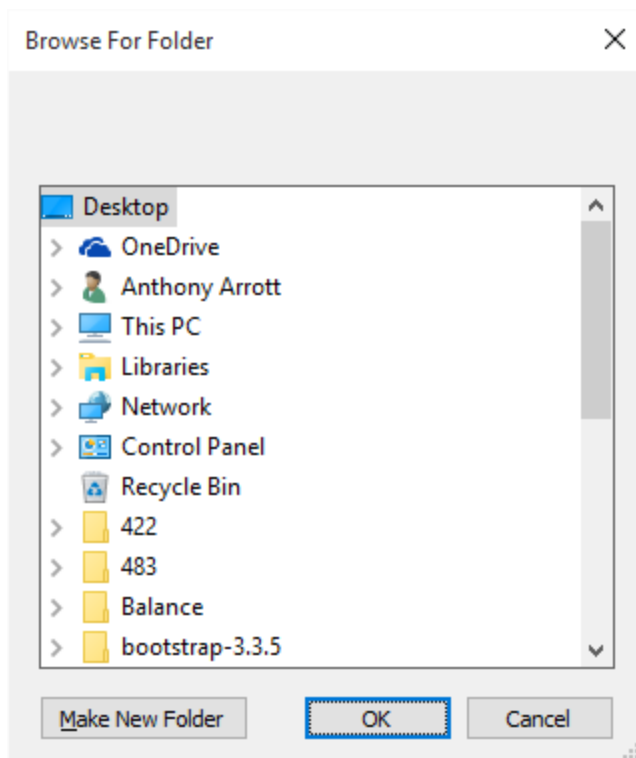
## Running NewBalance for the First Time

### Initial Setup

When you initially run NewBalance the following popup will show up:



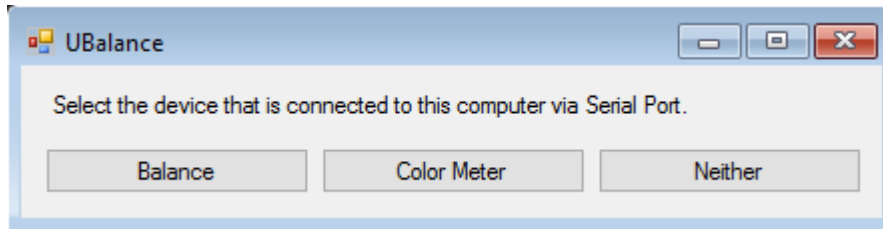
Press OK, then the following Folder selection will pop up, you want to select the folder that contains any UBalance .APP files.



Once you have selected the folder, press OK.

## Single Serial Port Connection

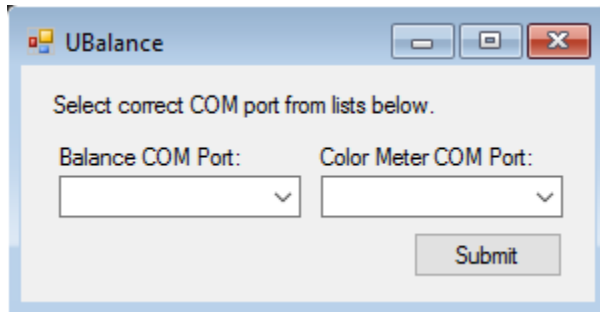
If you have a balance or color meter connected to your computer you will be shown this screen:



You can select Balance or Neither in this version of the program, the Color Meter framework is there, but not currently working with the program.

## Multiple Serial Port Connections

If you have multiple serial port connections on your computer, you want to make sure to differentiate them for the program. The following screen will be displayed:



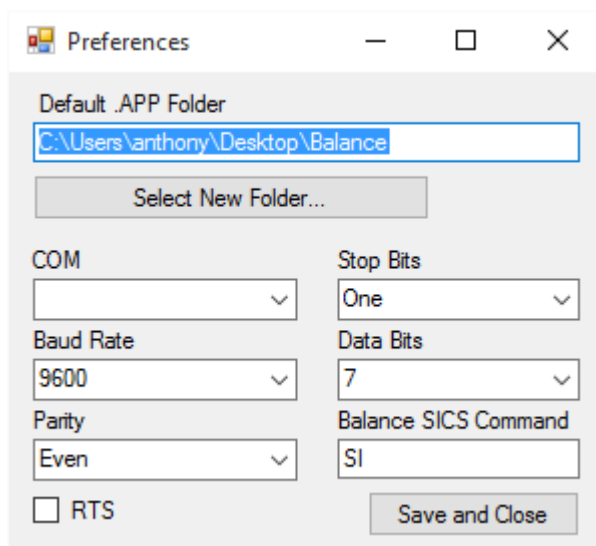
Again, in the current version of the program the Color Meter is not working yet, select the correct port for the Balance and press submit.

## Configuring the Color Meter's Connection Info

From the main screen of UBalance click on Properties in the menu bar:



Once you click Preferences this screen will display:



## Explanation of Preferences

### Default .APP Folder

Shows the directory in which the .APP files are being located from. If you want to change this folder click "Select New Folder..." and choose the correct folder.

### COM

This is the COM port for serial communications that the program will read from, if nothing is connected to your computer, no items will show up in the COM drop down list

### Baud Rate, Parity, Stop Bits, Data Bits, RTS (Checkbox)

These are all options for your balance, if you know the specifications of your current balance change them to the necessary values populated in the drop down lists. The default settings are for Mettler-Toledo Balances.

### Balance SICS Command

SICS is a Mettler-Toledo term for the command to send to your balance, the default value is "SI" which is "Send Immediate", it does not wait for the scale to have no wavering in values before it sends the value. For more of these commands consult the Mettler-Toledo Guide.

As of right now the program does not support other types of balances, and the output may vary if you try to connect a different scale with different ASCII commands. The program sends <COMMAND><CR><LF> to the balance if you want to try a different piece of hardware.

### Save and Close

Use this command to ensure that your settings are saved within the program. If you click the 'X' at the top right, the settings will not be saved.