AutoCrib Training – Tutorial Series

Bin Updater Interface:

The document/tutorial will help setup the Bin Interface custom application. The interface service will monitor the designated folder for the presence of a new flat or (TXT) file. When a text file is placed in the folder, the interface will read the flat file record and append new item data automatically into the Autocrib Bin table.

- The flat file is recommended to be in the .txt extention.

- The interface will not create duplicates

- The interface will not delete any bins from the AutoCrib Item database

- The interface can only add new bins into the database not change existing bins

- Note: that the Bin updater requires that at least the item and Crib exist in the database so make sure that the item code is correct that you are entering.

Operation Behavior:

Once all records in the flat file are processed in the inbox folder, the flat file will be renamed uniquely and moved in the designated "**Outbox**" folder. It is still in the text format the file is just renamed. If you ever need to go back and review what was processed you can rename the extension to .txt if you ever need to reopen this file again it just basically stores a history in this folder of the changes that were made to the database.

The Software package available for download below consists of the following files:

ACBinUpdaterInst6.1.0.msi– Bin updater installation setup
Text-Pad-Setup.exe – TextPad installation setup
BinImport.txt – Sample flat file (Needs to be edited for your system)

AutoCrib Inc
Technical Support Group

Bin Interface

1. Install the Bin Updater Interface

    a. Start the "**ACBinUpdaterInst6.1.0.msi**" file. This will take you through the install wizard

    b. Click "Next".

2. Install the Bin Updater Interface (Cont.)

    a. Select the folder to install the Bin Updater. Then, select "Next". Usually this will be your Autocrib directory.

    b. Select "Next" again and allow the Item Updater to install. Then, select "Close".
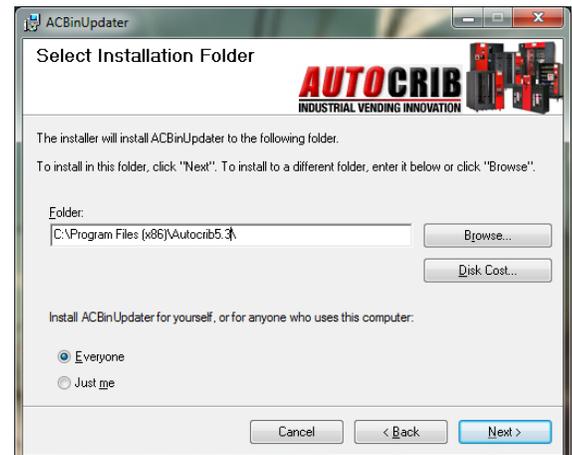
3. Run the Bin Updater Interface

    a. Start the BinUpdater from the shortcut on the desktop. (See Fig1)

    b. A message will pop up saying "Please enter all the necessary information" in (Fig2)

    c. Then a box will pop

    d. If it doesn't pop up immediately you should see now a red icon in the taskbar next to the clock see image right.

    e. Step #4 need to be filled out before the service can be started.

Fig1

Fig2

Cont…
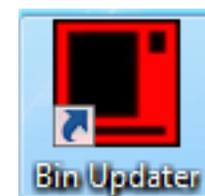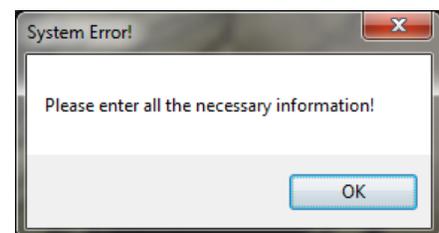
4. Configure the Bin Updater software.

a. Open My Computer and navigate to the folder where the Item Updater was installed.

b. On the desktop find the shortcut for **"BinUpdater"**

c. Double click the **ACBinUpdater** shortcut. This application allows you to configure the flat file location, import interval, file name, delimiter, etc.

d. Once the settings have been configured, select "**Save Changes**".

e. Before clicking the "**Start Service**" button to enable the service It is required to input all the fields to the right Fig1 and described in detail below:
_____
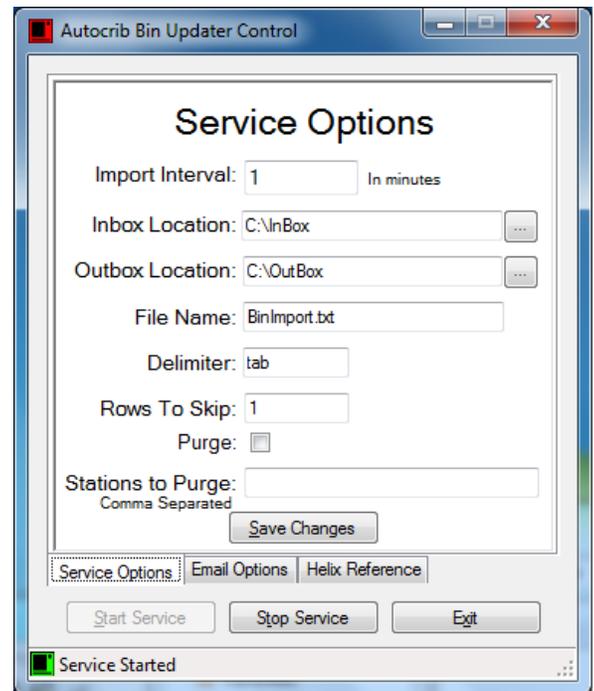
Import Interval: Time between updates (in minutes)
(Service checks the inbox folder for a file)

Inbox Location: Directory of new flat file
Just make sure the folder exists or you can create it. You can also click on the button to the right with the 3 dots if you do not wish to directly type it in the same goes for the outbox location.

Outbox Location: Directory of output processed flat files
(Just make sure the folder exists or you can create it)

File Name: Name of flat file including file extension

Delimiter: Character separating each field within the flat file.
(we use tab for this just make sure it is all lower case)

Rows to Skip: Bin Updater will not process the number of records defined.
For example, if there is a header in the flat file, the system will not process the first record as long as the "Rows to Skip" is set to 1. The sample flat file does contain a header.
_____
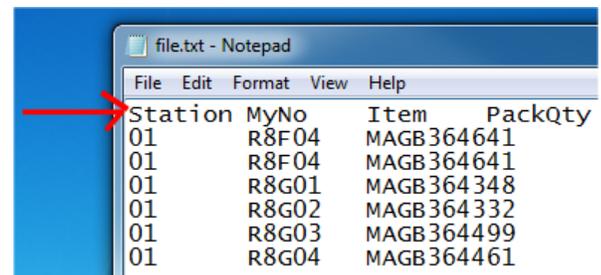
f. **See Header example right in (Fig 2) of text flat file.**

Def. Flat File: **Is a text or .txt based file which contains data that will be imported into the database separated by tabs)**

For example, as you can see the "Rows to Skip" is set to 1 so the header where it describes what each column is to help keep it organized this row is only for your reference as the software ignores it.

g. **At the top you will notice it says Station, Myno… etc**

- *See the legend right for what each one of these columns mean in the Autocrib Database. Also in the flat file the headings don't always align to what is beneath them they are however in the correct order of the 14 required tabs.*

Fig 1

Fig 2

Station	Just the Crib #
MyNo	Is the Bin #
Item	Is the Item #
PackQty	Package quantity
Refbin	Reference bin
Restock	Will the bin be restocked
Maximum	Re-Order point for PO
Minimum	Re-Order point for PO
BinSize	Is the Bin capacity
Critical	Is this a critical Bin
Critical-Level	# value when the bin reaches critical level
OnHand	Qty if already in Robo
Burn Qty	Burn amt. if its in Robo

5. Data Sources – Flat File Definition

<mark>(Recommend: Entering it in even if it's not used!)</mark>

h. If you wish to use the email feature in this interface click on the **"Email Options Tab"** is used to flag files that did not get imported into the AutoCrib database. If the computer running the Bin Updater has email access, you can configure this tab. Otherwise, leave this tab blank. Select the "Save Changes" button.

Email Account: Email account name used by the PC.

Email Password: Password used for the email account.

From Address: Email address being used to send the error report.

SMTP Server: SMTP server name

Error Email Address: The email address of where the error report should be sent.

Enable SSL: If encryption is being used, check this box.

<mark>FYI: If you don't want to get emailed just enter in bogus information here doesn't have to be a real email account or server.</mark>

6. Data Sources – Flat File Definition (OverView)

- The flat file must be use the same name inserted in step 4F. This is just an overview for your reference on how the software interacts with the flat file. The Layout is as follows

Autocrib Bin Field	Bin Flat File Position	Required	Type	Max Length	Distinct Values
Station	1	Y	Alpha	4	
MyNo	2	Y	Alpha	12	
Item	3	Y	Alpha	30	
PackQty	4		Integer		Default=1
RefBin	5		Alpha	12	
Restock	6		Boolean	1	Default=1 (true)
Maximum	7		Integer		
Minimum	8		Integer		
Helix	9	Y	Alpha	10	Lookup Helix.MyNo
MyCount	Get Helix Data	Y	Integer		Helix.MyCount
Type	Get Helix Data	Y	Alpha	1	Helix.Type
MySize	Get Helix Data	Y	Integer		Helix.MySize
BinSize	13		Integer		
Critical	14		Boolean	1	
CriticalLevel	15		Integer		
Onhand	16		Integer		
Burn	17		Integer		
Cfield1	18		Alpha	50	
Cfield2	19		Alpha	50	
Cfield3	20		Alpha	50	
Cfield4	21		Alpha	50	
Cfield5	22		Alpha	50	
Cfield6	23		Alpha	50	
Cfield7	24		Alpha	50	
Cfield8	25		Alpha	50	
Cfield9	26		Alpha	50	
Cfield10	27		Alpha	50	
Cfield11	28		Alpha	50	
Cfield12	29		Alpha	50	

- There are 29 locations that need to be spaced out in the flat file in terms of its positioning. It is very difficult to do this in notepad and will show you below using an application called "TextPad" to make it much easier. This software installation is included in the software package linked at the end and beginning of this document. After installing TextPad go to start and find Text pad in "All Programs" click on the open folder or drag and drop the sample flat file in the package into the TextPad window to begin editing.

Cont…

1) First click on View and then Visable Spaces to the right.
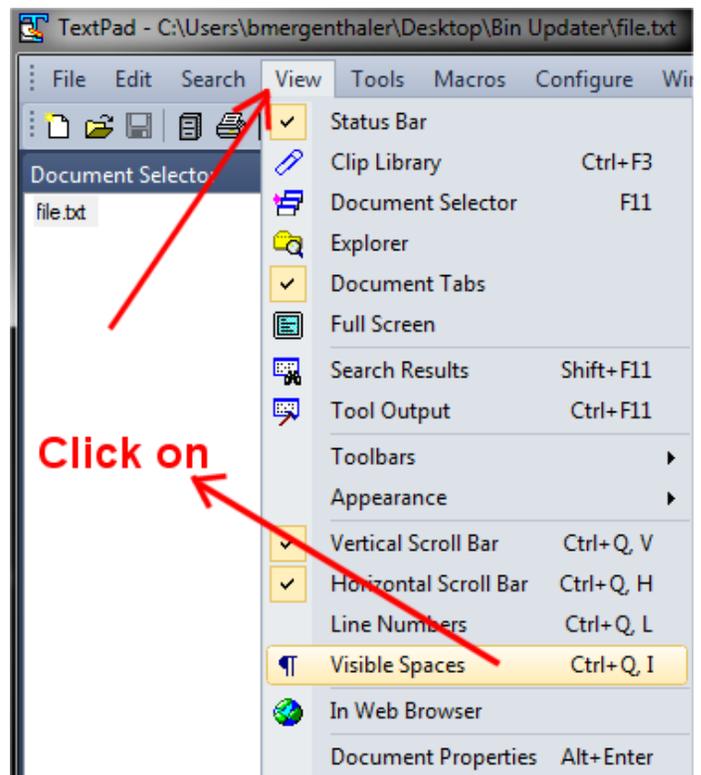
2) We are doing this because in notepad it will not show you the invisible tabs as you tab over so from now on to edit the flat file I would recommend you use TextPad. See below:

Fig 6

Cont…
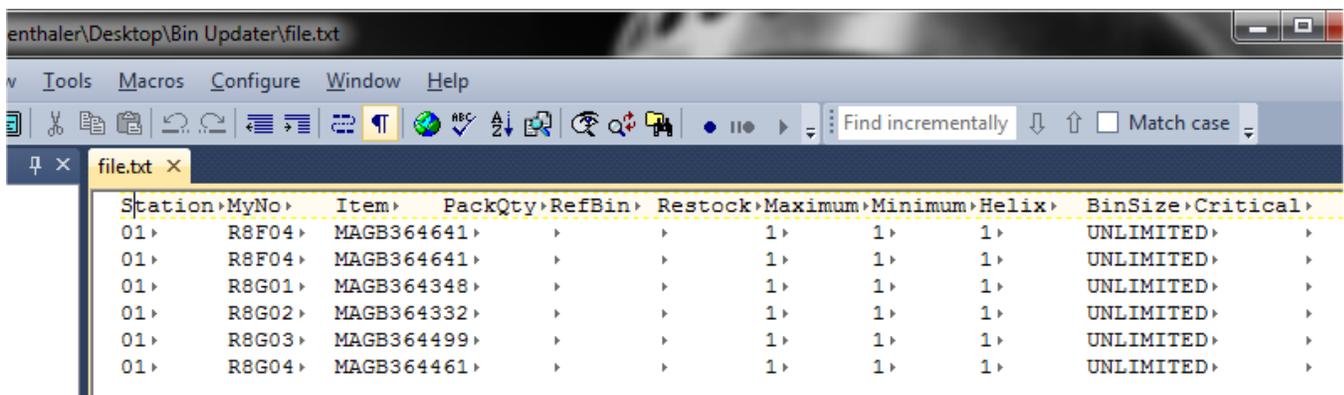
7. Helix – Flat File Definition

- The Helix is referred to as the same thing as bin capacity or in terms of the flat file the helix is equal to the BinSize. In the Autocrib bin updater software click on the Helix tab for reference only. This will tell you, say for example you have a robocrib where you need to add a bin to the database… well you can't just put a 1 value for "BinSize" 1 in screenshot of Fig 6 above. You have to use a Helix reference in order for the bin to be added correctly:

AUTOCRIB
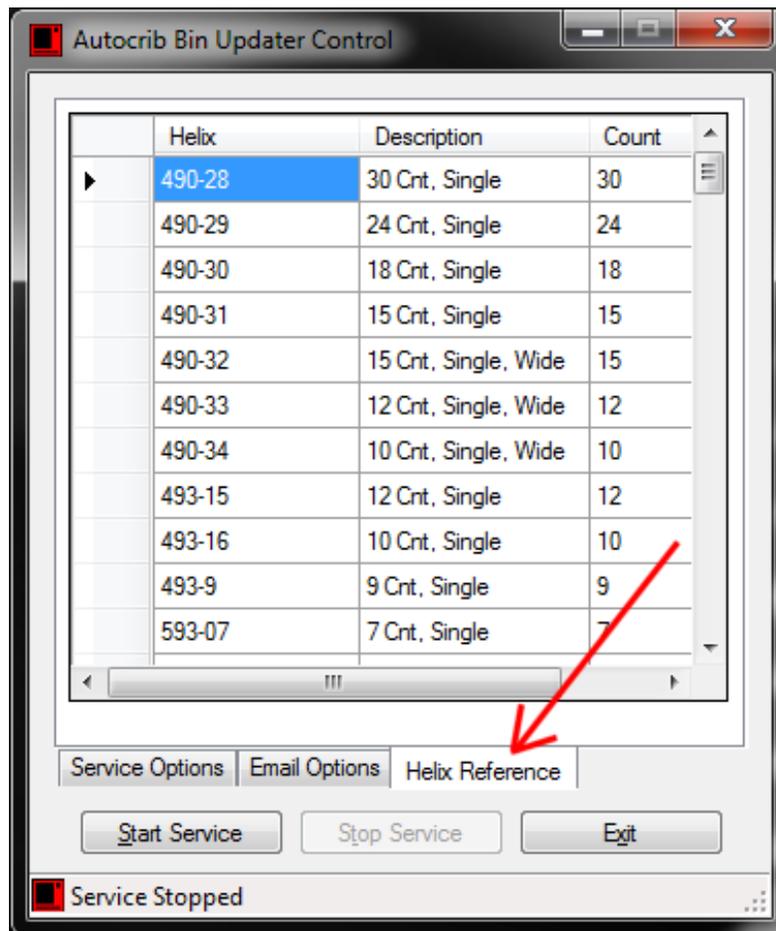
- If you Scroll to the next pad I have imported the above data in a table below to easily reference:
  (This is sorted by bin size) For a Robocrib most commonly you will be using below the "ROBO1"

HELIX	Description	Bin Capacity
593-LCKR	1 Cnt, Locker	1
ROBO1	1 Item	1
ROBO2	2 Items	2
ROBO3	3 Items	3
ROBO4	4 Items	4
593-14	6 Cnt, Single, Wide	6
593-14D	6 Cnt, Dual, Wide	6
593-14S	6 Cnt, Single	6
593-07	7 Cnt, Single	7
593-07W	7 Cnt, Single, Wide	7
ROBO8	8 Items	8
493-9	9 Cnt, Single	9
490-34	10 Cnt, Single, Wide	10
493-16	10 Cnt, Single	10
593-13	10 Cnt, Dual, Wide	10
490-33	12 Cnt, Single, Wide	12
493-15	12 Cnt, Single	12
593-12	12 Cnt, Dual, Wide	12
490-31	15 Cnt, Single	15
490-32	15 Cnt, Single, Wide	15
593-11	15 Cnt, Dual, Wide	15
490-30	18 Cnt, Single	18
593-18W	18 Cnt, Single, Wide	18
ROBO20	20 Items	20
490-29	24 Cnt, Single	24
490-28	30 Cnt, Single	30
593-15	30 Cnt, Dual, Wide	30
ROBO30	30 Items	30
ROBO40	40 Items	40
ROBO50	50 Items	50
593-LC100	100 Cnt, Locker	100
ROBO100	100 Items	100
AddOn	1/3	9999
CRIB	9999 Cnt	9999
DoubleT	1/2	9999
FullD	Full	9999
FullT	Full	9999
SingleD	1/2	9999
SingleT	1/3	9999
Unlimited	9999 Cnt	9999

Cont…