# Import • Export • Sundial

**Driver Set #2**
**Versions 2.5**
**06-24-89**

**Congratulations,**

**You have chosen the best Tabby/RRH driver set available.**

**Import Engine, Export Engine and Sundial are the most versatile and the fastest drivers available (See end of these docs for time comparisons).**

These drivers represent 4 months of hard and dedicated work.  The driver package has gone through several revisions each improving upon the one before.  Right now versions 2.5 are on average 50% faster than older than the 1.0 versions.  All code has been optimized and incorporates machine code routines to assure the absolute fastest speed possible.  Driver Package #2 represents the state-of-the-art.

**You are saying what is this driver set?**

Tabby/RRH **Driver Package #2**, is a package of three utilities (**Import**, **Export**, and **Sundial**).  These utilities are used in conjunction with Red Ryder Host 2.0 (or higher) and Tabby 2.0 (or higher).  Their purpose is to provide the needed communication interface, so Tabby and Red Ryder can talk with each other.

**Export Engine** - Provides the Red Ryder Host to Tabby Communication Link.

**Import Engine** - Provides the Tabby to Red Ryder Host Communication Link.

**Sundial Engine** - Updates the Next Event time for Red Ryder Host.

**Setting Utilities Up:**

Before you use any of the utilities you will need to configure them.  To configure double click on each of the three applications.  As they launch HOLD down the mouse key.  Some needed resources will load and you will swept away to the Configure Menu.

**Import Engine 2.5 (Configure Menu):**



By double clicking and holding down the mouse key while **Import Engine** launches, you will Trans-Warp to this Configure Menu. At this menu you have the ability to configure **Import** to suit your needs.

## Edit Fields:

**BBS Name:** This is the name of your BBS Application. *Example:* **Red Ryder Host.**

**BBS Folder:** This is the pathname that leads to your BBS Application. This pathname has to end with a ː colon. *Example:* **dd80:BBS:** *(Note the Colon at the End)*

**Import Log:** This is a full pathname to where you want your Import Log to be written. *Example:* **dd80:bbs:Log:Import Log**. This file can be anywhere. It can even be a path to an existing text file, like Tabby Log or CallerLog. Log Information is appended to the end of the text file. So any text file existing or not can be written to. Note that both Import and Export log could be the same log file.

**AreaFix Name:** This your AreaFix Application Name. *Example:* **AreaFix 1.0.**
This is a new feature in **Import Engine 2.5**. Its purpose is to intercept areafix requests and route them to the appropriate application (name provided in the AreaFix Name field). If Import intercepts an AreaFix Request it routes the request to a file called AreaFix.req and Launches your AreaFix application after it is done importing all messages.

**NetMail Area:** Is the number of your NetMail Area. *Example:* **11**.

**Last Msg #:** This is the last message number processed by **Import Engine**. Normally you do not have to mess with this feature. But you are still give control over it, in the event you wish to do some special tricks.

**Check Box A:** If this box is checked then an import log will be written to the filename provided in the edit field next the check box. If this box is not checked then no import log will be kept.

**Check Box B:** If this box is checked then AreaFix Requests are Routed to the AreaFix.REQ file and the AreaFix application is launched on completion of the import cycle. If this box is not checked then all Areafix Requests will be ignored and will be processed as normal messages.

**Check Box C (Use Full Reports)**: If this box is used then detailed import logs are written to the file provided in

the Import Log Edit file. (on the assumption that check box A is selected).  If this box is not checked then a simple one line report is written the filename in the Import Log Edit Field. (on the assumption that check box A is selected).

Samples of Log Reports:

Long Reports:
---------------
```
19:44:20 06/21/89 Import Start
   108 Messages Scanned
   108 Messages Imported
   108 Echo Messages Imported
     0 NetMail Messages Imported
     0 Deleted Mail NOT Imported
156933 Total Bytes Imported
    96 Elapsed Time (Seconds)
  1634 Bytes Processed Per/Sec
 14592 Starting Message Number
 14806 Ending Message Number
     2 AreaFix Requests
    76 Inactive Area
     3 Inactive Area
    29 Inactive Area
19:45:58 06/21/89 Import Finish
```
---------------

Short Log Reports:

```
  212 Messages Imported in    54 seconds at 17:34:42 06/24/89
```

Once **Import Engine** is configured and saved.  You are ready to insert it in your Events File.  You will have to launch Tabby Maintenance to modify this.  See Tabby docs for modifying your Events:  The following is an Event with **Import** Inserted:  (**Import** should be run immediately after TabbyNet DeliverMail.)


**Normal Event:**

PreStamp,BusyOut,Export,TabbyNet SendNews,TabbyNet SendMail,TabbyNet,
BusyOut,ArcMail Extract,TabbyNet DeliverMail,**Import**,Sundial,Mehit,Sapphire,
Epistle,TimeStamp,Red Ryder Host

**Robot Event (STR #301):**

R.PreStamp,BusyOut,Export,TabbyNet SendNews,TabbyNet SendMail,TabbyNet,BusyOut,
ArcMail Extract,TabbyNet DeliverMail,**Import**,TimeStamp,Red Ryder Host

**TabbyNet Event (STR #305):**

BusyOut,TabbyNet,ArcMail Extract,TabbyNet DeliverMail,**Import**,TimeStamp,
Red Ryder Host

*The above are examples:*


# Export Engine 2.5 (Configure Menu):

```
┌──────────────────────────────────────────────────────────────┐
│ □                    Configure Menu                          │
├──────────────────────────────────────────────────────────────┤
│                                                              │
│  BBS Name: │Red Ryder Host                              │    │
│                                                              │
│  BBS Folder: │dd80:bbs:                                 │    │
│                                                              │
│  Export Log: │dd80:bbs:log:Export Log                   │    │
│                            ⓓ ☒ Use Full Reports            │
│  NetMail Area: │ 11    │                          ┌────────┐ │
│                            ⓔ ☒ Acivate Reports    │  Save  │ │
│  Last Msg #: │ 26100 │                            └────────┘ │
│                            ⓕ ☒ Delete NetMail     ┌────────┐ │
│                                                   │ Cancel │ │
│  Export Engine 2.5       No Sales Pitch, all my utilities are FREE! │
└──────────────────────────────────────────────────────────────┘
```

By double clicking and holding down the mouse key while **Export Engine** launches, you will Trans-Warp to the above Configure Menu.  At this menu you have the ability to configure **Export** to suit your needs.

## Edit Fields:

**BBS Name:**  This is the name of your BBS Application. *Example:* **Red Ryder Host.**

**BBS Folder:**  This is the pathname that leads to your BBS Application.  This pathname has to end with a : colon. *Example:*  **dd80:BBS:**  *(Note the Colon at the end)*

**Import Log:**  This is a full pathname to where you want your import Log to be written.  *Example:* **dd80:bbs:Log:Export Log**.  This file can be anywhere.  it can even be a path to an existing text file, like Tabby Log or CallerLog.  Log Information is appended to the end of the text file.  So any text file existing or not can be written to.  Note that both Import and Export log could be the same log file.

**NetMail Area:** Is the number of your NetMail Area.  *Example:* **11**.

**Last Msg #:** This is the last message number processed by **Export Engine**.  Normally you do not have to mess with this feature.  But you are still give control over it, in the event you wish to do some special tricks.

**Check Box D (Use Full Reports):** If this box is used then  detailed import logs are written to the file provided in the **Import Log Edit** field. (on the assumption that check box A is selected).  If this box is not checked then a simple one line report is written the filename in the **Import Log Edit** field. (on the assumption that check box A is selected).

**Check Box E (Activate Reports):**  If this box is checked then Import Logs will be written to the filename provided in the Import Log edit field.  If this box is not checked then no Import log will be kept.

**Check Box F (Delete NetMail):**  If this box is checked then NetMail after being exported will be deleted.  To keep NetMail on the system after Export then do not check this box.

## Samples of Log Reports:

Long Reports:

```
--------------
17:28:47 06/24/89 Export Start
     5 New Messages Scanned
     5 Messages Exported
     0 Echo Messages Exported
     5 NetMail Messages Exported
     0 Deleted Mail NOT Exported
1771 Total Bytes Exported
     4 Elapsed Time (Seconds)
   443 Bytes Processed Per/Sec
  26100 Starting Message Number
  26129 Ending Message Number
     5 NETMAIL
17:28:52 06/24/89 Export Finish
-------------
```

Short Log Reports:

  5 Messages Exported in    4 seconds at 17:34:42 06/24/89

Once **Export Engine** is Configured and Saved.  You are ready to insert it in your Events file.  You will have to launch Tabby Maintenance to modify this.  See Tabby docs for modifying your Events:  The following is an Event with Export Inserted:  (**Export** should be run immediately before TabbyNet SendNews.)

**Normal Event:**

PreStamp,BusyOut,**Export**,TabbyNet SendNews,TabbyNet SendMail,TabbyNet,BusyOut, ArcMail Extract,TabbyNet DeliverMail, Import,Sundial,Mehit,Sapphire,Epistle, TimeStamp,Red Ryder Host

**Robot Event (STR #301):**

R.PreStamp,BusyOut,**Export**,TabbyNet SendNews,TabbyNet SendMail,TabbyNet,BusyOut, ArcMail Extract,TabbyNet DeliverMail,Import,TimeStamp,Red Ryder Host

*The above are examples:*

## SunDial Engine 2.0 (Configure Menu):



By double clicking and holding down the mouse key while **Sundial Engine** launches, you will Trans-Warp to this Configure Menu.  At this menu you have the ability to configure **Sundial** to suit your needs.

## Edit Fields:

**BBS Name:** This is the name of your BBS Application. *Example:* **Red Ryder Host.**

**BBS Folder:** This is the pathname that leads to your BBS Application. This pathname has to end with a : colon. *Example:* **dd80:BBS:** *(Note the colon at the end)*

Once **Sundial Engine** is configured and saved. You are ready to insert it in your Events File. You will have to launch Tabby Maintenance to modify this. See Tabby docs for modifying your Events: The following is an Event with **Sundial** Inserted: (**Sundial** Should be run immediately after Import in the Events ONLY. **DO NOT PUT SUNDIAL IN** TabbyNet or Tabby Robot.
Normal Event:

PreStamp,BusyOut,Export,TabbyNet SendNews,TabbyNet SendMail,TabbyNet,BusyOut,
ArcMail Extract,TabbyNet DeliverMail, Import,**Sundial**,Mehit,Sapphire,Epistle,
TimeStamp,Red Ryder Host

If any the **Engines** *(heaven forbid)* drops to finder, it has one hell of a good reason to (USER ERROR - invalid Info supplied to it). Keep a look out for a File Called ?????.Error. If an **Engine** comes across something it does not understand (Like if you mothers maiden name was 'Smith' then it is going to tell all about its little problem in this file. Usually looking at this file will help you solve your problem in seconds.

All **Engines** have a new Launch.Module that does 3 levels of error checking and recovery, before it gives up and drops you to finder.

> Level 1. Checks and attempts to run Next Event application
> Level 2. Checks and attempts to run BBS application
> Level 3. Checks and attempts to run TabbyNet
>
> Level 4. Will tell all about the problem in the ??????.Error File.

All Error Reports in the ??????.Error file are extremely descriptive and should help you solve the problem at a glance.

\*\*\* **READ** this section if your pathnames are greater than 35 chars long \*\*\*

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\*\*\*\*\*\* **WARNING** \*\* If you have pathnames longer than 35 chars, you will have to configure Import/Export/Sundial slightly different. (You might want to consider renaming Red Ryder Host to just Plain RRH or Host). Prestamp, R.PreStamp, Epistle, Sapphire, Tabby Engines all are based on full pathnames (this ensures the most reliability). But in doing full pathnames we limit launch paths to 35 characters or less. (Anything deeper will bomb). For you guys with Host baried 4 and 5 folders deep here is the solution: (remember: this will work, but you loose some reliability- if something before Import/Export/Sundial screws with the default volume ID, then they may drop to the finder - but a ???????.error log will be created, telling you the exact reasons why.

SOLUTION: In the BBS Name Field, type in your BBS Name Only (HOST). In the BBS Folder type in only a colon (:). Fill in the remaining fields with your appropriate information (again watch that Im(Ex)port log pathname does not exceed 35 characters. Save you settings. This setup assumes RRH, TabbyNet, Next.Launch and the application in the launch chain are all located in the same folder as this application.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

If you have any questions or comments I can be reached on the Tabby/RRH echoes. Or you can always call Aurora Borealis BBS (614) 471-6209 to leave me a message or to download the latest and greatest in Tabby/RRH

utilities.

**Michael Lininger**

you are encouraged to run your own test results and decide for
yourself, which best suits your needs.


TImport 1.2.1 (Pete Johnson)
-vs-
Import Engine 2.5 (Michael Lininger)


Time Results:  All time results are clocked by running a launch.next
file containing the following chain:  TimeStamp,Import,TimeStamp,BBS.
Times include load and launch time.

Test #1:


        Date: 6/17/89
      System: 6.0.2
      Finder: 6.1
   Cdev/Init: Tops 66k,CPSDeletes 2k,SoftTalk 22k
         Mac: 512e (512k)
  Hard Drive: Aurora 65 (38 megs full)
 Accelerator: NONE
       Cache: OFF
       Users: 354
Generic Import Size: 153,156 bytes
    Messages: 108
Bytes Imported: 152,592 bytes
                --------------------
                Launching TImport1.2 on 06/17/89 at 18:30:10
                --------------------
                Launching Red Ryder Host on 06/17/89 at 18:34:16
                --------------------
                Launching Import2.5 on 06/17/89 at 18:44:24
                --------------------
                Launching red ryder host on 06/17/89 at 18:46:20
                --------------------


    TImport 1.2: 04:06 (246 sec) - No ErrorLog, 2 Line Log to Tabby Log
Import Engine 2.5: 01:56 (116 sec) - Includes ErrorLog, Includes Import Log
                        Includes message section breakdown


     ** Import Engine 2.5 is 112.07% faster


Test #2:


        Date: 6/17/89
      System: 6.0.2
      Finder: 6.1
   Cdev/Init: Tops 66k,Coach 4k,SFScroll 2k,SoftTalk 22k,Aask 6k,
             SCSI 2k,PortMaster 12k,SuperClock 16k,Big Thes 3k,
             SuitCase 10k,CPSDeletes 2k
         Mac: SE (1 Meg)
  Hard Drive: DataFrame XP30 (26 megs full)
 Accelerator: NONE
       Cache: OFF

Users: 354
Generic Import Size: 153,156 bytes
            Messages: 108
     Bytes Imported: 152,592 bytes
                    --------------------
            Launching TImport1.2 on 06/17/89 at 19:01:05
                    --------------------
            Launching red ryder host on 06/17/89 at 19:05:52
                    --------------------
            Launching Import2.5 on 06/17/89 at 19:08:23
                    --------------------
            Launching red ryder host on 06/17/89 at 19:10:18
                    --------------------


     TImport 1.2: 04:47 (297 sec) - No ErrorLog, 2 Line Log in Tabby Log
Import Engine 2.5: 01:55 (115 sec) - Includes ErrorLog, Includes Import Log
                        Includes message section breakdown


        ** Import Engine 2.5 is 158.26% faster



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Disclaimer:  This is no **guarantee** that this drivers are 100% compatible with your setup.  Some Cdevs and Inits can create

havoc with tabby utilities.  Use at your own risk.