



# HAM RADIO CRUSADER, LLC.

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## Paul - KN2R 06/25/21

NEW Supermon 7.4+ (ASL version Only) Fresh-Install Download Link

This includes all Supermon default configuration files. Any existing Supermon config files will be over-written.

Last updated: December 26, 2023 - 5:00 PM ET

NOTE: These current instructions are for those with the ASL AllStar image.

These instructions apply to Debian/Raspbian Linux installations ONLY!

Login with PuTTY as root user.

Go to the BASH Shell prompt and enter the following five commands:

```
> cd /usr/local/sbin
```

```
> wget "http://2577.asnode.org:43856/supermonASL_fresh_install" -O supermonASL_fresh_install
```

```
> chmod +x supermonASL_fresh_install
```

```
> hash
```

```
> supermonASL_fresh_install
```

Next, edit the allmon.ini and global.inc files to match your system settings. They are located here:

/var/www/html/supermon/

Next, setup the Supermon .htpasswd file also in the /var/www/html/supermon/ directory.

Update with new password

```
htpasswd -cB .htpasswd <userID>
```

After you setup your Supermon .htpasswd file, then configure your global.inc and allmon.ini files.

Next, add the following line into your root user crontab, this gets the required AllStar database (once a day):

```
0 3 * * * (/var/www/html/supermon/asfdb.php -cron) Do not use this line for ASL 3, Use the next command set instead.
```



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## Web Dashboards

The primary web dashboard supported by AllStarLink is Allmon3.

But, we know there are other dashboards available and everyone has their own personal favorite. We also know that some of the other dashboards make use of database ("astdb.txt"). Typically, this DB has been downloaded by a PHP script ("astdb.php") and updated with the help of boot scripts and cron jobs.

To support these other dashboards we have included a systemd service to download and update the "astdb.txt" database. By default, this service and its associated timer are disabled. If you have installed a dashboard that is dependent on this database you will need to execute the following commands :

```
systemctl enable asl3-update-astdb.service
systemctl enable asl3-update-astdb.timer
systemctl start asl3-update-astdb.timer
```

Lastly, go to your Supermon Web screen and force a reload/refresh by holding the Shift-key and press F-5. (command r for MacOS)

**The following is the updatable version but the fresh install must be installed first.**

New Supermon 7.4+ (ASL version Only) UPDATER Only!

This updater is safe and does not overwrite any protected Supermon configuration files, only Supermon code.

Last updated: December 26, 2023 - 5:00 PM ET

Get the latest ASL updater script, which you can get here by following these instructions after logging in as the root user and then executing these commands:

```
> cd /usr/local/sbin
```

```
> wget "http://2577.asnode.org:43856/supermonASL_latest_update" -O supermonASL_latest_update
```

```
> chmod +x supermonASL_latest_update
```

```
> hash
```



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```
> supermonASL_latest_update
```

Later, no need to download the Updater script, if you recently installed the Fresh-Install process shown above. You have it. To run the existing updater script login with PuTTY as root user and then enter this one command at any time from the BASH Shell prompt:

```
> supermonASL_latest_update
```

To make updates even easier in the future, you can place the following line in the [functionsXXXX] stanza in the rpt.conf file for your node:

```
SMUPDATE=cmd,/usr/local/sbin/supermonASL_latest_update
```

After entering this line, perform a Reload of the rpt.conf file by clicking on the [Iax/Rpt/DP RELOAD] button in Supermon.

Now you can enter the command (appears to be case insensitive): \*smupdate in the input box of Supermon, and then click on the [DTMF] button just once to run the update in the background at any time! You can check your [AST Log] to make sure it ran.

You may have to update the password again:

Update with new password

```
htpasswd -cB .htpasswd <userID>
```



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Also I have discovered that when you are on the initial page after installing:

**KDSFMU - Supermon 7.4+ (ASL) AllStar Monitor**

Login  
Henryetta, Oklahoma  
576338 Home Trainer Node

Nodes LsNodes DVSwitch D-Star Pi-Star QRZ

To Login you must Activate a Node number first from the Menu Bar, then Login using the Header Login link.

Welcome to **KDSFMU** and associated AllStar nodes.

This Supermon web site is for monitoring and managing ham radio **AllStar** and **app\_rpt** node linking and **RTCM clients**. This is version 7.4+ of Supermon which includes a vast number of internal and UI improvements over Allmon version 2.1.

On the menu bar click on the node numbers to see, and manage if you have a login ID, each local node. These pages dynamically display any remote nodes that are connected to it. When a signal is received the remote node will move to the top of the list and will have a dark-blue background. The most recently received nodes will always be at the top of the list.

- The **Direction** column shows **IN** when another node connected to us and **OUT** if the connection was made from us.
- The **Mode** column will show **Transceive** when this node will transmit and receive to/from the connected node. It will show **Receive Only** or **Local Monitor** if this node only receives from the connected node.

Any Voter pages will show RTCM receiver details. The bars will move in near-real-time as the signal strength varies. The voted receiver will turn green indicating that it is being repeated. The numbers are the relative signal strength indicator, RSSI. The value ranges from 0 to 255, a range of approximately 30db. A value of zero means that no signal is being selected. The color of the bars indicate the type of RTCM client as shown on the key below the voter display.

Subscribe to the Official/Original Supermon Support Group (Supermon@groups.io)

email address

System maintained by: Freddie McR, KDSFMU

That you may have to go to a page of one of the actual nodes before the password will be accepted. Some kind of glitch.

Lastly, go to your Supermon Web screen and force a reload/refresh by holding the Shift-key and press F-5. (Command r for MacOS)

Paul / KN2R