



Pi-Star Digital Voice Software

Updating IDs/Hosts on Pi-star - Expert Level

(Version 3.2 of the document)

Warning. This modification has already been tested by several users and requires a minimum knowledge of the Pi-Star OS system.

In order to perform the update, you will find below the link to update the DMRIds.dat and DMR_Hosts.txt files for the Dashboards of MW0MWZ (original version) as well as F1RMB **(1)** and that of W0CHP **(2)**.

You can also block automatic and daily updates of the DMRIds.dat and DMR_Hosts.txt **(3)** files.

These updates work with versions

- Pi-star from version 4.1.6 and the Dashboard of MW0MWZ
- Pi-star from version 4.1.6 and F1RMB Dashboard v4.1.15
- Pi-star from version 4.1.6 and the W0CHP Dashboard (minimum Pi-star PI 3 version)

Before starting, some notions of language in SSH mode:

The command "sudo su" abbreviation of "superuser do superuser" allows to obtain "root" rights.

The "rpi- rw" command allows write instructions rw, "read-write" unlike ro, "read only".

The "sudo nano..." command allows you to edit a file as "root" with the nano text editor.

The "sudo" command HostFilesUpdate.sh" allows you to run the HostFilesUpdate.sh file as "root".

(1) Dashboard of MW0MWZ / F1RMB

With the Dashboard version of F1RMB, you can use the "Tiny File Manager" ("Expert" configuration).

In the DMRIds.dat file, you will find the list of Radio Amateur callsigns of the different countries of the world as well as the Radio Amateurs.

Download link :

<https://raw.githubusercontent.com/airphel/MW0MWZ-HostFiles/main/DMRIds.dat>

In the DMR_Hosts.txt file, you will find the list of Radio Amateurs servers of the different countries of the world as well as the Radio Amateurs with the configuration for the connection.

Download link :

https://raw.githubusercontent.com/airphel/MW0MWZ-HostFiles/main/DMR_Hosts.txt

In order to perform the updates, there are several methods

Manually :

You must download and copy the files via "SSH Access" mode ("Expert" configuration) in the Pi-Star directory:
/usr/local/etc

Automatically :

You must modify the **HostFilesUpdate.sh** file of your Pi-Star for an automatic daily update of the files via "SSH Access" ("Expert" configuration) using the following method in SSH mode:

```
sudo su
```

```
rpi-rw
```

```
sudo nano /usr/local/sbin/HostFilesUpdate.sh
```

1) Scroll down with your cursor to find the following line in the file:

```
curl --fail -o \{DMRIDFILE\} -s http://www.pistar.uk/downloads/DMRIDs.dat
```

Then delete and replace the complete line with the following line:

```
curl --fail -o \{DMRIDFILE\} -s https://raw.githubusercontent.com/airphel/MW0MWZ-HostFiles/main/DMRIDs.dat
```

2) Scroll down with your cursor to find the following line in the file:

```
curl --fail -o \{DMRHOSTS\} -s http://www.pistar.uk/downloads/DMR_Hosts.txt
```

Then delete and replace the complete line with the following line:

```
curl --fail -o \{DMRHOSTS\} -s https://raw.githubusercontent.com/airphel/MW0MWZ-HostFiles/main/DMR_Hosts.txt
```

In order to save the modified file, you must press the keyboard keys "Ctrl + o" then "Enter" to save, press the keys "Ctrl + x" then "Enter" to exit.

You must run the following command in order to update the files on your Pi-star:

```
sudo HostFilesUpdate.sh
```

Finally, exit from "SSH Access" mode.

In the menu of your Pi-star Dashboard, choose the "Configuration" menu, then run "Update".

(2) W0CHP Dashboard

In order to perform automatic updates with the list of Radio Amateurs and Radio Amateurs callsigns.

You can use the "Tiny File Manager" integrated into the Dashboard version ("Expert" configuration).

You must modify the **HostFilesUpdate.sh** file of your Pi-Star for an automatic daily update of the files via "SSH Access" ("Expert" configuration) using the following method in SSH mode:

```
sudo su
```

```
rpi-rw
```

```
sudo nano /usr/local/sbin/HostFilesUpdate.sh
```

Scroll down with your cursor to find the following line in the file:

hostFileURL = <https://hostfiles.w0chp.net> and add a " # " in front of the line

and add the following line below:

hostFileURL =<https://raw.githubusercontent.com/airphel/WPSD-HostFiles/main>

You should have the following lines after the modification:

hostFileURL = <https://hostfiles.w0chp.net>

hostFileURL =<https://raw.githubusercontent.com/airphel/WPSD-HostFiles/main>

In order to save the modified file, you must press the keyboard keys "Ctrl + o" then "Enter" to save, press the keys "Ctrl + x" then "Enter" to exit.

You must run the following command in order to update the files on your Pi-star:

```
sudo HostFilesUpdate.sh
```

Finally, you must exit the "SSH Access" mode.

In your Dashboard Pi-star, choose the menu "Configuration", "System" then "Reboot" in order to restart the Pi-star so that the changes are taken into account.

(3) To block automatic and daily updates of DMRids.dat and DMR Hosts.txt files

This method does not block the possibility of performing the update manually via the Dashboard of the Pi-Star and does not block the update of the Pi-Star OS system.

You must connect via "SSH Access" ("Expert" configuration), then enter the commands:

```
sudo su
```

```
rpi-rw
```

```
sudo nano /usr/local/sbin/pistar-daily.cron
```

Scroll down with your cursor to find the following line in the file:

[/usr/local/sbin/HostFilesUpdate.sh](#) and add a " # " in front of the line

You should have the following line after the change:

[/usr/local/sbin/HostFilesUpdate.sh](#)

In order to save the modified file, you must press the keyboard keys "Ctrl + o" then "Enter" to save, press the keys "Ctrl + x" then "Enter" to exit.

Finally, you must exit the "SSH Access" mode.

In your Dashboard Pi-star, choose the menu "Configuration", "System" then "Reboot" in order to restart the Pi-star so that the changes are taken into account.