

Pi-Star

“Manually adding or overriding repeaters and reflectors

Pi-Star updates the lists of reflectors and repeaters stored in the hosts files (/usr/local/etc) nightly, but there may be times when you want to use one that isn't listed or override an incorrect entry. In this case, you can add it manually to the override hosts file in the /root directory, which is the root user's home directory. Once you've done this, you can run a regular Pi-Star Update without losing your changes.

- Log into Pi-Star via SSH.
- Enable read-write mode:
 - rpi-rw
- Switch user so that you're in root's home directory (/root) with root's privileges:
 - sudo su -
- Edit the appropriate hosts file, for example:
 - nano DExtra_Hosts.txt
- *Note:* The filename, including capitalization, must be exact. Available hosts files: DCS_Hosts.txt, DMR_Hosts.txt, DPlus_Hosts.txt, NXDNHosts.txt, XLXHosts.txt (for DMR), DExtra_Hosts.txt, and P25Hosts.txt.
- Make your additions or changes.
- *Note:* For the DPlus_Hosts.txt file, you can add a capital L to the end of the line to force the entry in this

file to override any duplicates in the main Pi-Star host file.

- Write out the changes (^o), and exit (^x).
- Exit root user:
- exit
- Re-enable read-only mode:
- rpi-ro
- Run a Pi-Star update so your changes get appended to the files in /usr/local/etc:
- sudo pistar-update
- *Note:* From what I've seen, the P25 and NXDN Hosts files work a bit different from the other modes. The other modes append the addition in the root hosts files to the hosts files with the same name in /usr/local/etc. But for P25 and NXDN, they are added to a different file in /usr/local/etc: P25HostsLocal.txt and NXDNHostsLocal.txt. Regardless, the outcome is the same. After you run the Pi-Star Update, you should find your added reflector in the P25 or NXDN Startup Host drop-down list on the Configuration page, and it won't get deleted by the automatic overnight update.

Here's an example of the file for adding a DPlus entry.

```
#####  
# #  
# DPlus_Hosts.txt - Overrides #  
# #  
#####  
# #  
# Add your over-ride lines below, #  
# following the example #  
# please make sure that lines are tab #  
# delimited and NOT space delimited. #  
# #  
# Adding a capital L to the end of the #  
# line will force the entry in this #  
# file to override any duplicates #
```

```
# in the Pi-Star host files.#  
# #  
# #  
#####  
# Reflector IP/Hostname Lock #  
#####  
#REF000 1.2.3.4 L  
XRF005 216.16.240.236 L
```

Method for overriding default XLX rooms

As of Pi-Star Dashboard 20190115, this is now handled via Configuration > DMR Configuration > DMR Master = DMRGateway > XLX Startup Module.”¹

¹ <https://amateurradionotes.com/pi-star-notes.htm#viarpi>