

Backing up and Restoration

There are a lot of backups available. There is a software backup and a system backup

Software backup

A copy of the software is available on

- 1) <https://github.com/NaingHtet/PM14/>
- 2) backup DVDs
- 3) Website
- 4) on the PacMan board itself as a tar file

To restore the software, untar or git pull the file. Extract everything in /root/PM14. There are certain steps you need to do to configure the program correctly. Read the README in system files for more info.

First, you need to put the daemon script. It is called pm14 in System Files folder and you need to put it in /etc/init.d/. Next is the configuration file for syslog so that logging for pm14 program is in separate files. Put the rsyslog.conf in /etc/.

System backup

If you are using a new micro SD card, it is recommended that you restore from the system backup as setting up linux and installing everything will take a long time. First make sure that your micro SD card is at least 3gb as the image is more than 2gb. The system backup images contain everything and you won't need to reconfigure anything provided that you are still using the board ts8160-4200. The system image should be available on

- 1) backup DVDs
- 2) backup micro SD card (Already imaged)

The backup file shall be named pm14backup.dd. To restore from the image,
`dd if=/path/to/pm14backup.dd of=/dev/microsdcardblk bs=32k && sync && sync`

While not necessary, you might find it useful to use gparted to partition the last block to full size. dd will write the image as is. Therefore, only 2.3 gb of your micro sd card will be used instead of the full size of 4gb or 8gb. Please refer to this guide

http://elinux.org/RPi_Resize_Flash_Partitions#Manually_resizing_the_SD_card_using_a_GUI_on_Linux

You will want to resize the 4th partition to the full size.