**To build Micro SD card, => 8GB, class 10, from blank**

1. On a computer install the program ***RaspberryPi Imager*** from the [RaspberryPi web site](https://www.raspberrypi.org/documentation/installation/installing-images/README.md).
2. Run ***Image***r to install the **full 32bit Raspian** OS onto a MicroSD
3. Insert MicroSD into RaspberryPi and power it up. (If it reboots during the initialization phase and does not display, wait 5 minutes and reboot) (Remove and insert power connector)
4. Follow directions on the screen to prepare the RaspberryPi system
   1. setting location, New York
   2. WiFi (Might take a minute to connect)
   3. update software (takes time and if screen blanks out touch Shift key to unblank screen).

*Upper and lower case matters*.

1. Copy Instructions to RaspberryPi
   1. Open a **Terminal** window on top left **Launch Task bar**
   2. Enter the following command: *the $ sign is shown in the Terminal window, you enter everything after the $*

$ **git clone https://github.com/gsrobin99/HTPublic**

* 1. Using **File Manager** on top left Launch Task bar
     1. **View**, **show hidden files visible**
     2. Open folder **HTPublic**
     3. Open file **HT\_Kiosk\_Instruc\_V(n).txt** *( may have to choose OTHER to view)*

1. Create Folders
   1. Using File Manager
      1. In **.config** create folder **lxsession** (right click for new folder or new file)
      2. In **lxsession** create folder **LXDE-pi**
      3. In **LXDE-pi** create new *file* **autostart**
      4. Open autostart using a text editor, right click on autostart
      5. Copy autostart text below to file **autostart**

@xscreensaver -no-splash

@~/.config/lxsession/LXDE-pi/autostart

@lxpanel --profile LXDE-pi

@pcmanfm --desktop --profile LXDE-pi

@point -rpi

@midori -e Fullscreen -a <https://www.buildinglink.com>

* + 1. File then Save

1. Install programs on RaspberryPi
   1. *Follow instructions in the text and copy/paste commands as an aide to accuracy*
   2. Using the **Terminal window**: copy from text to terminal window, in editor Select text then Copy text, in Terminal window hold the CTRL + Shift + v keys to paste

$ **sudo apt install xscreensaver -y**

$ **sudo apt install midori -y**

$ **sudo crontab –e** (Use nano editor)

* 1. To cause RaspberryPi to Reboot @2am: Enter at $Enter at $ without quotes

“ **\* 2 \* \* \* sudo /sbin/reboot now”**

**Ctrl O** to write file, **Enter** to say yes, **ctrl x** to exit

1. **Reboot**
   1. Open Upper left Raspberry icon, select **Logout** at bottom of menu, then in window in center of screen select **REBOOT**
   2. Open HT\_Kiosk\_Instruc\_V(n).txt in File Manager folder HTPublic to continue with instructions
2. **Setup Midori Browser to display BuildingLink screens**
   1. After the Reboot the display should be Login screen, Login to BuildingLink with username and password below. Check box to remember username and password
   2. REBOOT
   3. Open autostart again using a text editor
   4. Change the last line "@midori -e Fullscreen -a https://www.buildinglink.com" to remove the “-a”
   5. File Save
   6. REBOOT
   7. The display should be filled with BuildingLink
   8. Move pointer to icon in upper right of browser screen which will reveal itself when the mouse pointer gets close.
   9. Click on icon that reduces screen to part of the display.
3. **Insert Preferences:**
   1. Upper left click on **Raspberry icon**, which drops a Menu choose **Preferences Raspberry P**i:
      1. Check **wait for network**
      2. In interfaces check **VNC** then **OK**
      3. click on **Raspberry icon** choose **Screensaver** in **Mode** choose **disable,** then **Close**
4. In upper right, left click on network icon,
   * 1. choose **WiFi off**,
        1. Right click on network icon, choose **Wireless & Wired Network Settings**, **eth0** and define ip address (10.1.10.n) to make it a static address. Get n from list below
5. REBOOT
6. Once running, To switch to not full screen click icon in upper right of browser which will reveal itself when the mouse pointer gets close. To switch to full screen click on icon with arrows pointing to corners.

**NOTES:**

Ht1maindisplay

Packages1

Ht2maindisplay

Packages2

BuildingLink Communications Public Display to change names, PWs, etc.

On display settings to change icon size

WiFi

HT-NET / ironside

HT-Conference / Trustees10

HT-Meeting/Tru10 via Starry admin/HookDebonair1667/192.168.99.1

T2P 10.1.10.56 b8:27:eb:82:ad:3a 10 httwo

T2MR 10.1.10.85 b8:27:eb:48:6a:0f 10 httwo

T2LR 10.1.10.65 b8:27:eb:81:fb:13 10 httwo

T1P 10.1.10.68 b8:27:eb:96:5e:5e 10 htone

T1MR 10.1.10.71 b8:27:eb:99:ba:50 10 htone

T1LR 10.1.10.66 b8:27:eb:96:5e:5e 10 htone

VNC

[harbortowersone@gmail.com](mailto:harbortowersone@gmail.com) T1 Trustees10

[harbortowerstwo@gmail.com](mailto:harbortowerstwo@gmail.com) T2

Click on VNC icon upper right to open VNC window then license to where to connect

Terminal History

/home/pi/.bash\_history