

To make the above permanent, do the following:

1. Use your available mod number obtained from the above if it differs from mod3 below, or check again to see which one is available by running:

```
xmodmap
```

We'll assume that it gave mod3 as the available slot for the purposes of this guide.

2. Create a script in the /usr/local/bin directory called scrllkon.

```
sudo touch /usr/local/bin/scrllkon
```

3. Open the file you just created (you can use your favorite text editor in place of nano if you like).

```
sudo nano /usr/local/bin/scrllkon
```

4. Put the following text into the file:

```
#!/usr/bin/sh
```

```
sleep 4
```

```
exec xmodmap -e 'add mod3 = Scroll_Lock'
```

```
exit
```

5. Save the file and make it executable:

```
sudo chmod +x /usr/local/bin/scrllkon
```

6. Call the script from a Startup item.

You can name that new startup item whatever you like so long as it calls scrllkon

7. Reboot if it doesn't start right away when you logoff and logon again.

Note: You may wish to adjust the sleep number to more than 4 if needed. Calling the sleep function is necessary to counteract whatever it is that is turning off the mod key or disabling the xmodmap command on logon. 4 is a good number as it doesn't take that long after logon to work. But if it still gets disabled by something in the Fedora environment (this is particularly bad in mate-desktop for some reason) just increase the number in sleep until you get the key enabled consistently. That should do it.