X-air-Control

Getting your Raspberry Pi ready

You will need a microSD card. 8Gb ore above will do fine.
Download noobs from the Raspberry Pi website.
Extract the zip file and copy it to the microSD card.
Put the microSD card in the Raspberry Pi and start it up.
Make sure it is connected to the internet.
From the noobs install menu select Raspbian Full [RECOMENDED] and click on the install button.
Confirm by clicking Yes and then wait until everything is installed.
When the operating system is installed, klick ok.
The Raspberry Pi will now restart.
When it is restarted, follow the instructions to finish the installation.
The Raspberry Pi will restart again.

Installing X-Air-Control and X-AIR-Edit

Copy the X-Air-Control_(version).deb file to the home/pi directory (e.g. use an usb stick to transfer the file)
Then double click the .deb file.
The installation procedure will ask for a password. If you did not give a pasword in the installation phase, the password will be: raspberry
Now copy the X-AIR-Edit app to the home/pi directory.
Make sure it is executable by right clicking on it and selercting properties.
Then click on the permissions tab. Now on the line "Execute:" select Anyone.

Setup the network

Now you will have to connect everything together. The easyest way to do that is by using a network switch. Connect all devices to the switch. You will have to set the XR18 to Ethernet connection and not wifi. Slide the switch near the Ethernet connector all the way towards the Ethernet connector.
You will alsdo need to know the ip address of all the devices, so to make it simple, we will set every device to a fixed ip address.
On the Raspberry Pi rightclick on the network symbol and choose "Wireless & Wired Network Settings"
The Network Preferences window opens.
On the first line, next to Configure: select interface and eth0.
Uncheck the box "Automatically configure empty options"
in the box next to Ipv4 Address: fill in the ip adress that you want (e.g. 192.168.1.10)
Click apply and close.
You will have to restart for the changes to take effect.Now we change the XR18 to a fixed ip addres.
We do this with the X-AIR-Edit app, so start it up.
Click on setup.
In the setup window, the XR18 should be listed. You can see what it's ip addres is at the moment.
Click on it and then click connect.
Now click on the LAN tab.

Here you can click on the button STATIC and fill in the ip address that you want. Remember this.
For Subnet Mask fill in 255.255.255.0
For Gateway fill in 0.0.0.0
Then click Apply.
Now we setup the X-Touch.
Turn it off. Press and hold the select button of the first channel while you turn on the X-Touch.
The first (leftmost) display shows mode. Turn the encoder until it reads: Xctl (not Xctl/MC and not XctlHUI)
The second display shows ifc. Turn the encoder until it reads Network.
The third display now shows Network.
Turn it's encoder until it reads Slv Ip.
Now, using the following four displays, fill in the ip address of the Raspberry Pi
Turn the third encoder until it's display shows DHCP.
Turn DHCP off with the fourth encoder.
Turn the third encoder until it's diplay shows: my IP
Now choose an IP address for the X-touch and fill it in here.
Turn the third encoder until it's display shows: my Mask.
Fill in 255.255.255.0
Now press the select button of the first channel again.
After a short time the display will show: no link followed by the ip address of the Raspberry Pi.
For now leave it as it is.

Configuring X-Air-Control

To run X-Air-Control, open a terminal window and type: X-Air-Xontrol.
When you first run X-Air-Control, It will ask you the Ethernet port name. This is usualy eth0, so enter eth0 here.
Then it wil ask you the ip address of the XR18 (or MR18) so enter it here.
Finally it will ask you the ip address X-Touch, so enter it here.
That's all for the configuration.
If all is ok, X-AIR-Edit will jump to the foreground and the X-touch will come to life.
If you do'nt have a license, you will have to wait for 10 seconds for this to happen.
On the terminal window you can now stop the program by pressing q + enter.
You can also repeat the configuration by typing s + enter.
The program then will ask the same questions again.

Note that you don't have to do any scaling of the X-AIR-Edit application.
You can move or resize it any thime you like, X-Air-Control will follow.
Just note that to resize the X-AIR-Edit application, please use the resize buttons of the resize menu.
This ensures proper scaling.