

# The SMART Mirror

## Getting Started

The SMART Mirror is a simple unit to use. To power the Mirror on, simply plug the Mirror in to a power outlet. The power cord for the Mirror is located on the left-hand side of the unit if you are facing the front of the Mirror. The operating internal units on the Mirror are powered by the power strip mounted on the back of the Mirror within the plexiglass.

- Make sure that this power strip is on. The switch on the strip should be glowing red in its color.



- Locate the Compute Stick. It is located on your right hand side while facing the back of the Mirror. It should have a blue light glowing on it to indicate that it is powered on.



The compute stick stays powered on, but for some reason the stick is not showing this light. Try to first power the stick on by the power button located on the stick. If the stick does not power on at this point, do a basic diagnosis checking connections and the stick's power supply.

- Use the remote to power the monitor on within the mirror from the front of the Mirror. Behind the Kinect, there should be a glowing red light. This is the receiver for the Mirror.



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If the remote loses the programmed features for the mirror, use the remote manual to reprogram the remote. This can be found in our documentation SMART SP-SM 2017.

- In a few minutes the Mirror should show the home screen. At this point the Mirror is ready for use.
- Voice attack starts with Windows on login. A list of command calls are follows.

## VoiceAttack Profile Command Sheet

Spoken Command	Description
cancel	Exits out program
Close email	Closes email browser
Close Facebook	Closes Facebook browser
Close media	Closes UAH video
Close music	Close Windows Media Player
Connect to Lights	Connects to wifi to control lights
Connect to School	Connect to school wifi
Control	Activate motion control
Done	End dictation for reminders(sticky notes)
email	Open email browser
Facebook	Open Facebook browser
hello	Greeting
Hold	Pause music
Media	Play UAH video
Music	Play music
reminder	Activate dictation for reminders (sticky notes)
Stop	Deactivate motion control

When using Voice Attack, have a firmness in your voice. Despite the use of good microphones the program does have some difficulty with some users sphering commands.

## Hand Controls Using the Kinect

The main purpose of the Kinect is to process the hand gestures from the user. The Kinect was also given the responsibility of the main microphone but it is mostly for the hand gestures. To operate the with the hand control, just say **Control** firmly to activate the Kinect. To end the hand controls from the Kinect, just say **Stop**. Remember to speak out the voice controls firmly and clear. Your hand acts as a mouse in the virtual atmosphere.

### To Click Items

- Hover above the item with an open hand then close you hand to as if you were clicking the mouse button.

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You can also use a Lasso gesture which is better identified as your thumb out and middle and index fingers up. From this position, you are using a pinching motion.



- Within the tool bar of most windows, the clicking method from open hand to close or from Lasso to close acts as a hand grasp of the window.

## To Magnify Items

Both open hands up starts the magnify tool. Both close hands up closes the tool so make sure that both hands are up and in front of the user in open hand gesture. This gesture provokes the magnify tool and not the zoom tool.





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- With the left hand closed and the right hand open creates a magnify out.



- With the left hand open and the right hand close creates a magnify in.



- With both hands closed stops the tool and the program pauses for a couple of seconds to give you time to put both hand down.



This should be all that is needed to operate the UAH Smart Mirror. Outside of this, please see Professor Hite our the current governing professor of the project for more details. Have fun using the UAH SMART Mirror.