

## X-Fluxer remote access to touch screen V2.21E+

*You can find most recent version of instructions manual and firmware using the link below:*

<http://www.katanax.com/manuals/manuals.php>

The "HMI" (Human machine interface) refers to the embedded computer and its touchscreen.

An X-Fluxer unit with a firmware version ending with "E" (ex: V2.21E) (located bottom right when the system boots up), can be accessed remotely by the user via the LAN network or inspected by a Katanax service engineer via the WAN network. It will only work **if the firmware V2.21E or a higher version is installed on the unit.**

A user can remotely connect to the unit HMI and have a look or interfere with it, using a computer, a tablet or even a cell phone. It is an interesting tool that can be used, as an example, while the user's office is not close to the fluxer unit. It can also be used by a laboratory manager, to always keep an eye on the unit behaviour and usage.

A Katanax service engineer can remotely access the unit via a secure pass-through protocol but only if the user allows it. It can be activated by switching the remote access button ON in the HMI global parameters. The service engineer is then able to do a remote firmware upgrade, or diagnose the unit and download test programs to diagnose a hard-to-find issue.

Both X-Fluxers series (X-300 and X-600) have this capability, once updated with the current firmware. To download the most current version, please use the link provided at the beginning of this procedure.

## LAN remote access

1. Turn the unit OFF. The power switch is located at the bottom right side and behind the unit;
2. Connect an Ethernet cable in the Ethernet Port 1 of the HMI. It is the Ethernet port located under the HMI, completely to the left (Port 2 is reserved for other applications). *To have an easier access, you can lift the HMI Box (orange box) forward as it has hinges for it;*



3. Power the unit ON;
4. Click the global parameters buttons;

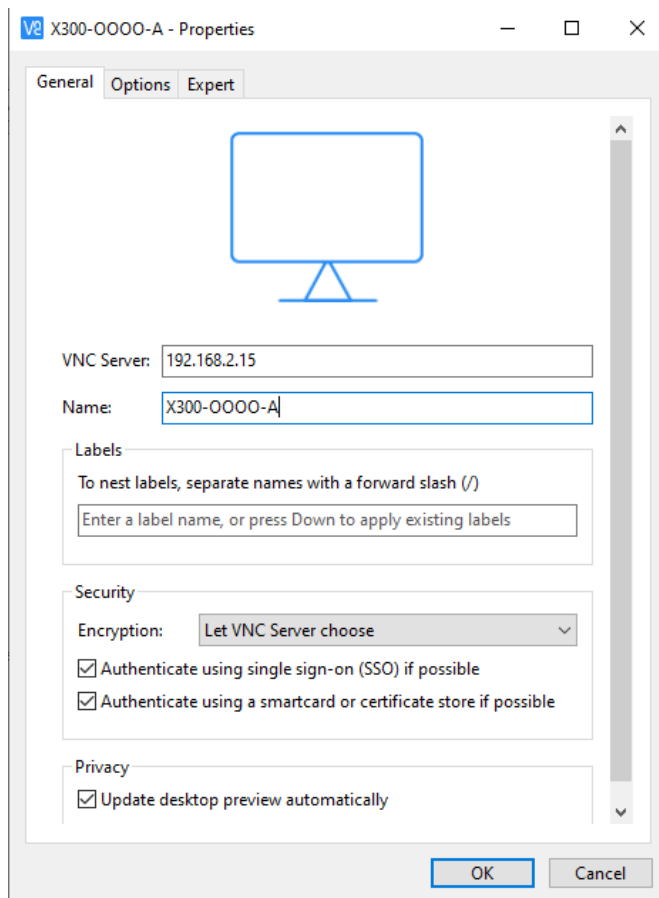


5. Take note of the LAN IP address of your HMI (see example depicted below);

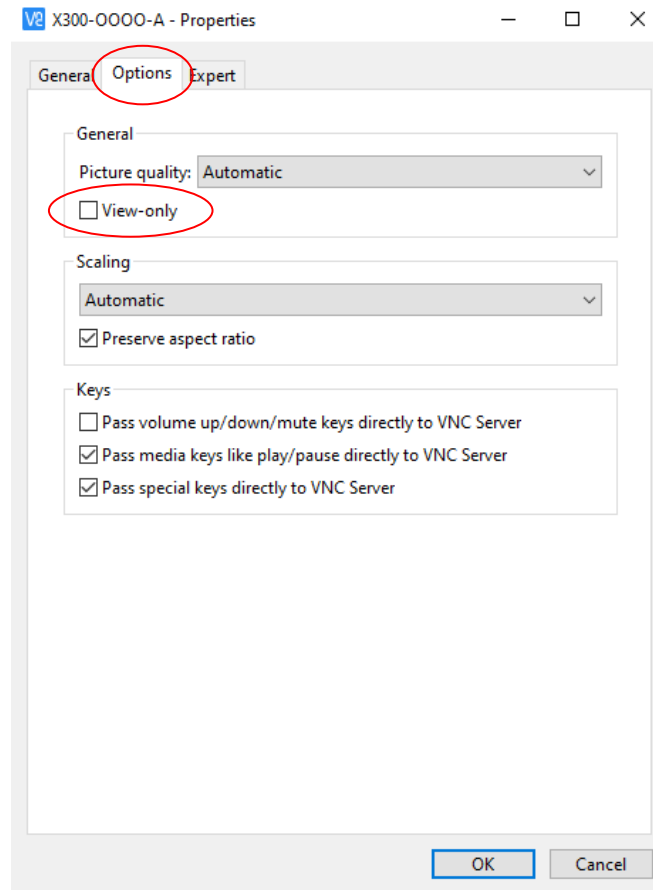
192 . 168 . 2 . 18

6. Make sure your device is connected to your local network. If the IP is 0.0.0.0, it is not properly connected. Contact your local IT personnel for assistance;

7. Download and install [VNC Viewer](https://www.realvnc.com/en/connect/download/viewer/);  
<https://www.realvnc.com/en/connect/download/viewer/>
8. Open VNC viewer;
9. Click File and New Connection... (CTRL+N);
10. Add the fluxer's IP in the VNC server text box and a meaningful name for this connection (e.g. : The serial number of the unit, located at the back of the unit or in the global parameters);

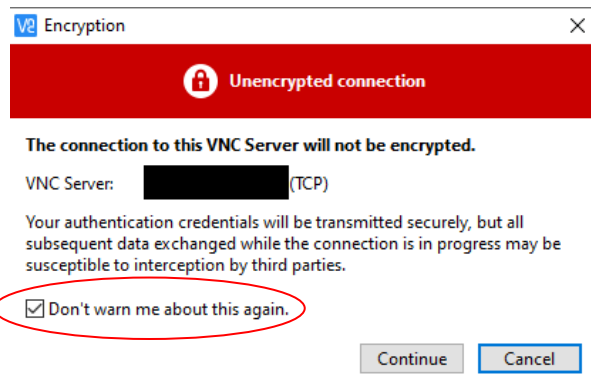


11. If you would like to access in read-only mode (just to view, not to control), press the Options tab, and check the box for View-only mode;

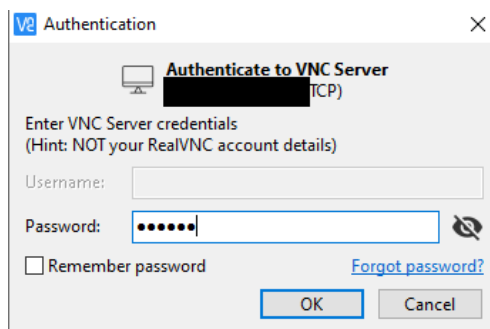


12. Click OK;  
13. Double-click the newly-created connection that now appears in VNC viewer, to initiate communication;

14. Check the box in the warning message window and press Continue;



15. Enter the password "111111";



16. You are now connected to the HMI. Your VNC viewer will remember this connection, so you do not need to repeat steps 1 to 7. Double-click the connection again to reconnect. **If it does not work on a subsequent day, please verify the IP** (if the unit was turned off, the IP might change due to automatic IP attribution on your network).



### **WAN remote access (for Katanax support team)**

1. Give the serial number of the unit to Katanax service engineer. It is located at the back of the unit and in the global parameters;



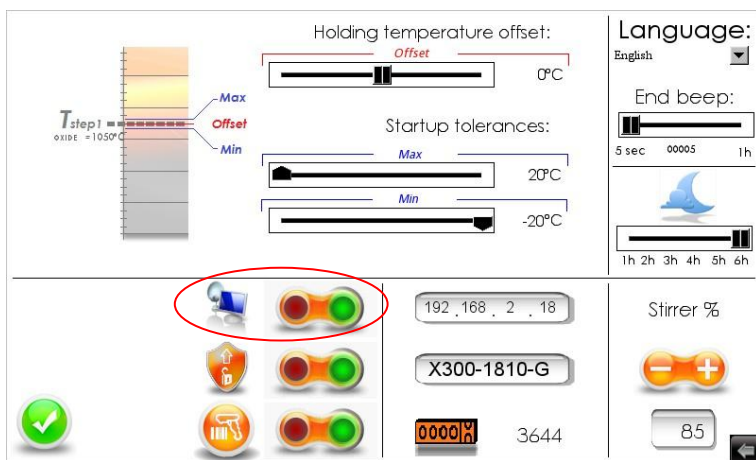
2. Connect an Ethernet cable in the Ethernet 1 of the HMI. It is the Ethernet port located under the HMI, completely to the left.



3. Make sure the unit is powered ON;
4. Press the global parameter button;



5. Activate the WAN remote access button switch. This switch allows Katanax to access the HMI. You can turn it off once the service is done.



**Do not hesitate to contact Katanax team if you have any questions.**