# Starting up a FS-system

Purpose

Guide new users to a generalized workflow that should get you a running competition system. Actual work may vary depending on what regional associations system you use. Check details with your local system owner / responsible.

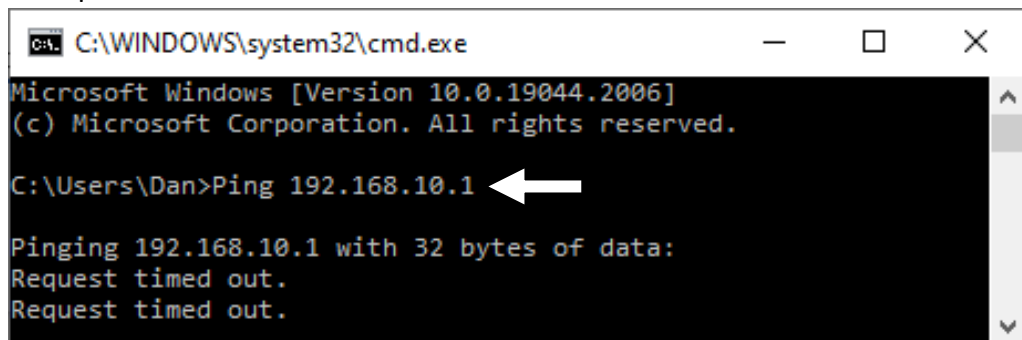## Steps to start a competition system

1. Unpack and place all equipment on intended locations.

2. Secure **stability** on camera tri-pod and tables.

   - <u>Avoid using duct tape on the part of the legs that slides inside</u> another part. The tape will leave residue glue that make the legs stick.

3. Connect all PC, Printer, Camera, Teradek and Router / Switch and external screens to power.

   - Also connect any (optional) external microphone to the camera.

4. Connect all network cables according to intended system set-up.
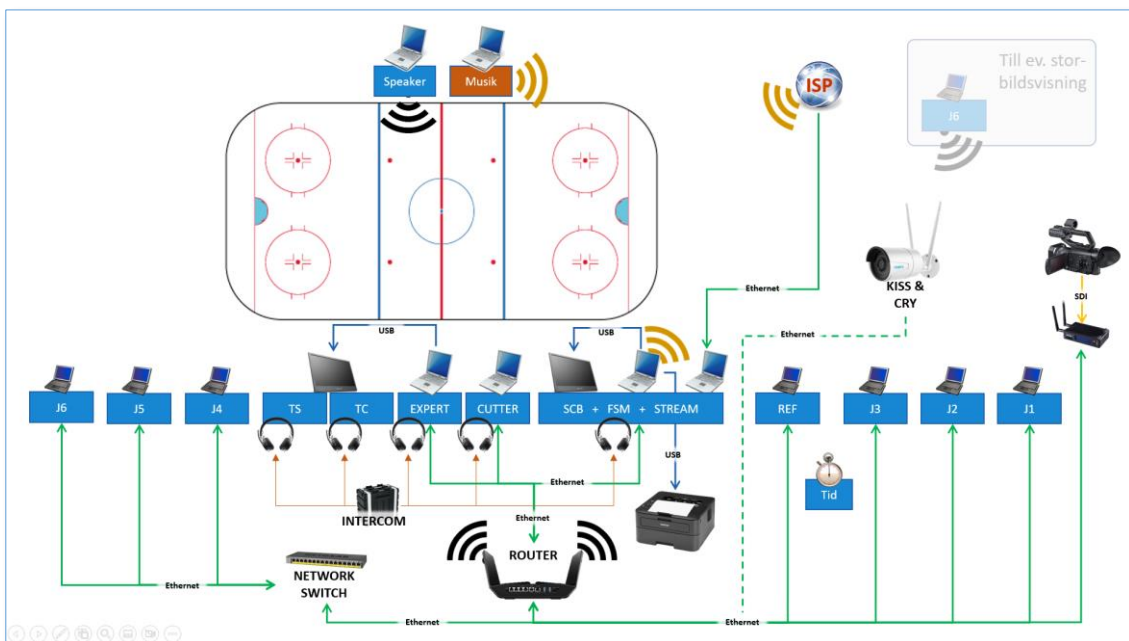
Example set-up for 6 judges + referee using LAN and WiFi

5. Start the ROUTER and / or NETWORK SWITCH.

    - You may need to wait for WiFi on 2.4 & 5GHz to get available.

6. Start Teradek, Camera and all PCs and screens. Wait for the Teradek to state "Ready" on the built-in display.

7. [OPTIONAL] Verify basic network connection is available to all PC by using the Ping command from e.g. the FS Manager PC.

    - Press the Windows key + R, type "**cmd**" to open a terminal window.

    - Type: **ping <ip-adress to another PC in the network>**.
      Example:

      If the request times out as in the picture above, you have a network issue (loose cable, switch that lack power, firewall issues etc.). Resolve this before continuing.

    - You can download and run e.g., "PingInfo" on FSM/SCB PC to automate this check.

8. Verify IP assignment to each PC is OK. Restart PC if not assigned IP as expected.

9. Start Speaker and verify WiFi connection.

10. Verify Screens for TS and TC (duplicates EXPERT).

11. [OPTIONAL] Verify external screen for FSM (extended desktop) is working.

12. Start all ISU-software.

    - On some system the needed software may be set to AutoStart when the PC starts and is logged in on. Check with your local system responsible / owner for your systems configuration. Always avoid starting 2 parallel sessions of any software on a single PC.

13. On EXPERT computer, at the top of the screen, set program to **MAIN**.

14. On JUDGEs and REFEREE computers, set correct judge number on each PC.

15. Verify connections to all JUDGES, FSM, CUTTER is indicated as green on the EXPERT.

16. Verify Video is working on CUTTER and EXPERT (and on all JUDGES, if replay is enabled for judges).

    • Press the red "DV" button to reconnect to the stream if there is no video on a PC. On the CUTTER it is labelled "Reconnect".

    • Restart the PC if needed.

17. Start Announcer client (on web-browser using the IP to your FS Manager PC) on SPEAKER (and any other Announcer client used).

    • *ipaddressofFSMlaptop*:8080/announcer (example: 192.168.10.7:8080/announcer)
      The IP-address of the FS Manager PC is often printed on a label of the PC, if not, check with your local system responsible / owner)

18. Start FS Manager and test-run in a TEST-database.

    • You can create a TEST-database from a back-up of your competition database or use an older database (if created in the same version of FS Manager).

19. Secure FS Manager is set to Main
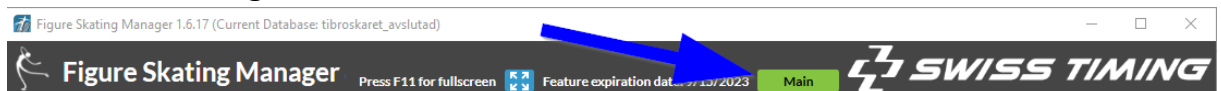
    • Potential errors and resolution if the FSM (Calc) doesn't show green in the Expert:

        i. Are both FSM and Expert set to main? If not, change to "Main" on both.

        ii. In FSM, check the Settings General settings to verify the correct Expert IP is assigned. "localhost" as in the picture below is wrong.

Expert Settings

| Main Expert IP | localhost | Main Expert Port | 1008 |

Change to the correct IP-address for the Expert PC and Save.

    iii. Change the "Main Expert Port" to another port, then save. Change back to 1008 and save again.

    iv. Perform the check in point #7 again. If the request time out then there is an network error that needs to be resolved.

20.   Open 1st category in database and "Init ALL" on FS Manger to send data to the other PC:s in the competition system.

21.   Secure correct Skater is shown on all PC:s.

22.   Change to the competition database in FS Manager.

23.   Start WinSCP. Secure correct user on login (your competition user) and that you watch the correct local folder (your competitions HTML folder).

Prepare for a nice day with a prime view over the competition at the rink 😊

Starting up an intercom

Starting an Intercom system

Note that this is very generalized, and the actual set-up process may differ a lot depending on the system brand. Consult your owner's manual for your system for the exact procedures.

1. Place a headset on each position for the technical panel and the FSM Operator.

2. Take out any needed extension cords and connect the headset with the extension cords according to you owner's manual.

3. Secure proper connection for all cables.

4. Set all volume controls in the low to mid-setting for headsets and microphones and master volumes.

5. Power up the system consulting your owner's manual for the exact procedure.

6. Using another person, check the volumes between a pair of headsets and adjust the main volumes as needed to have a clear, but still comfortable volume while talking to each other's with a normal voice.

7. Check each headset have a working microphone and headset.

8. Perform a soundcheck with the panel at the start of each day. Adjust the individual gain levels as per preferences for that person.