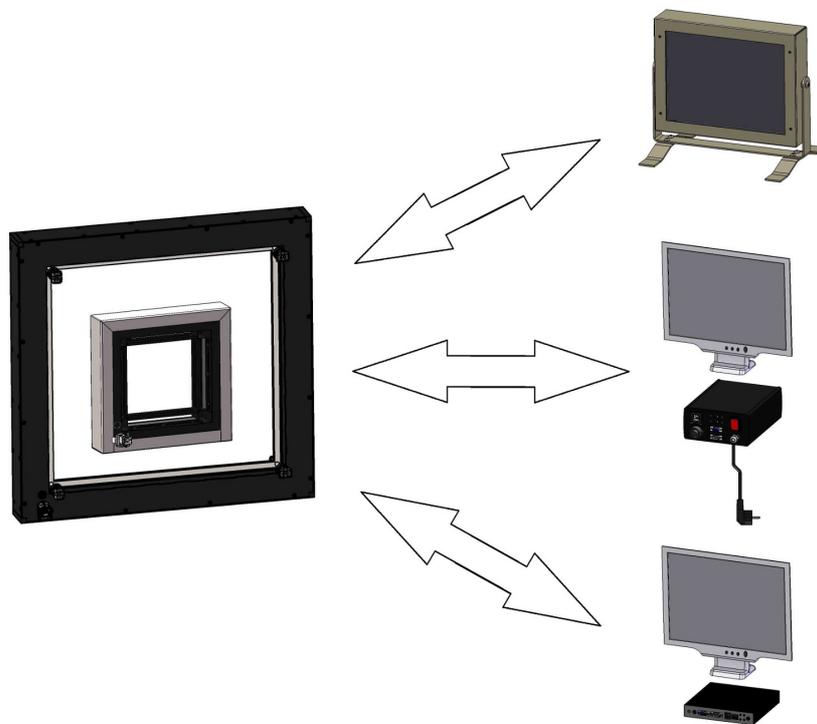




Starting up the ControlPCs Assignment of the Measuring Frames



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1. Before beginning

The measuring frames MF5R1 Black Magic and MF6R3 Black Magic XL can communicate with the ControlPCs directly over an Ethernet network, as well as via the original RS232C port used by previous models.

In contrast to a direct cable connection between the ControlPC and the measuring frame, it is necessary when connecting via a network that not only the control PCs, but also the respective measuring frames must be allocated unique IP addresses and to establish communication between the relevant PC and the measuring frame to which it is assigned. This assignment takes place via the serial number of the measuring frame.

At first, all new measuring frames and ControlPCs have an identical standard IP address. However, because networks do not permit duplicate IP addresses, to begin with the ControlPCs need to be set up one at a time, so that the measuring frames can then, again one at a time, be assigned to them. These instructions describe this procedure.

Often, this assignment of the measuring frames will have already been carried out by Meyton in our factory. In this case, both the measuring frames and the ControlPCs will carry a sticker bearing the relevant IP address. So, for example, the measuring frame with the IP address 192.168.11.2 would be assigned to the ControlPC with the IP 192.168.10.2. In this case, you just need to take care to follow the correct order when assembling the measuring frames.

2. Preparation

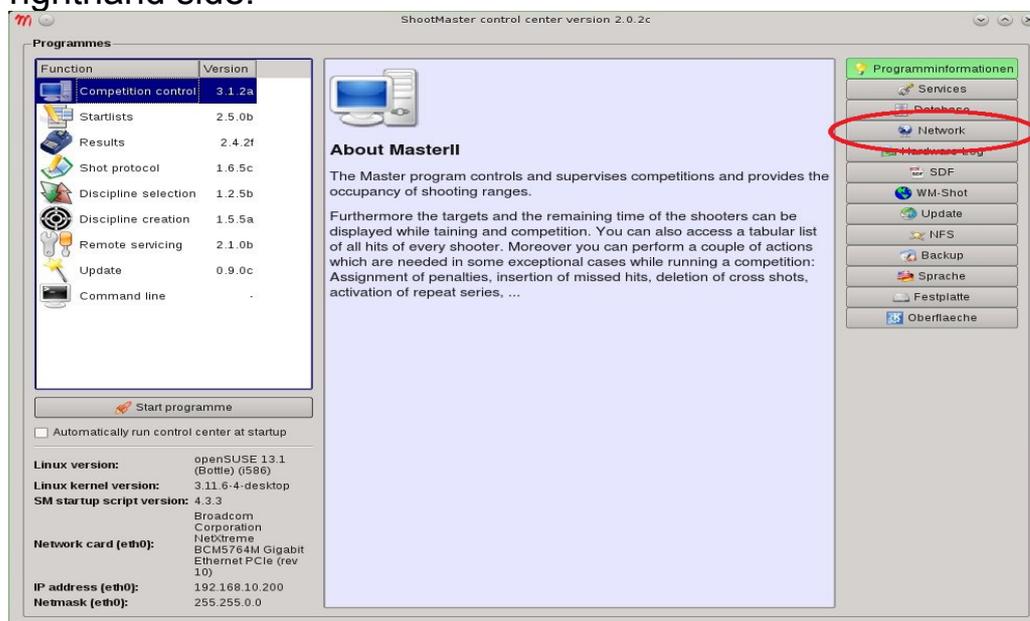
Assemble the complete target system, that is, the measuring frames with their supports, ControlPCs, workstation, and so on.

Connect the ControlPCs and measuring frame power supplies to the electricity supply, but do not switch on the units as yet.

Connect the units to each other via the network.

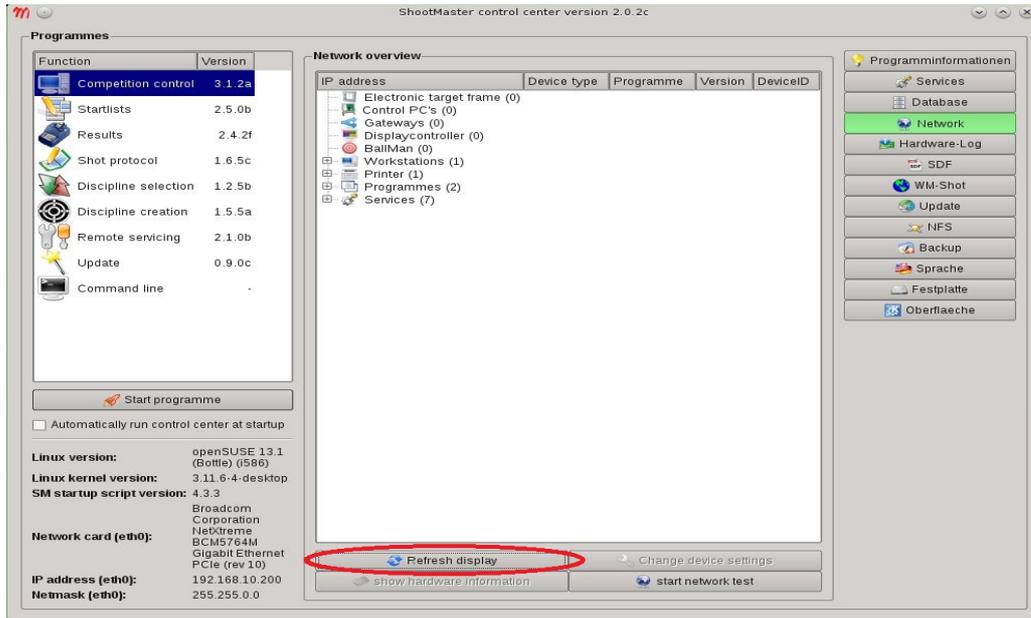
3. Setting up the ControlPCs

1. Start up a workstation and enter your user details. (Further information on this procedure can be found in the start-up guide for the workstation).
2. In the Meyton Control Centre, click on the button "Network" on the righthand side.

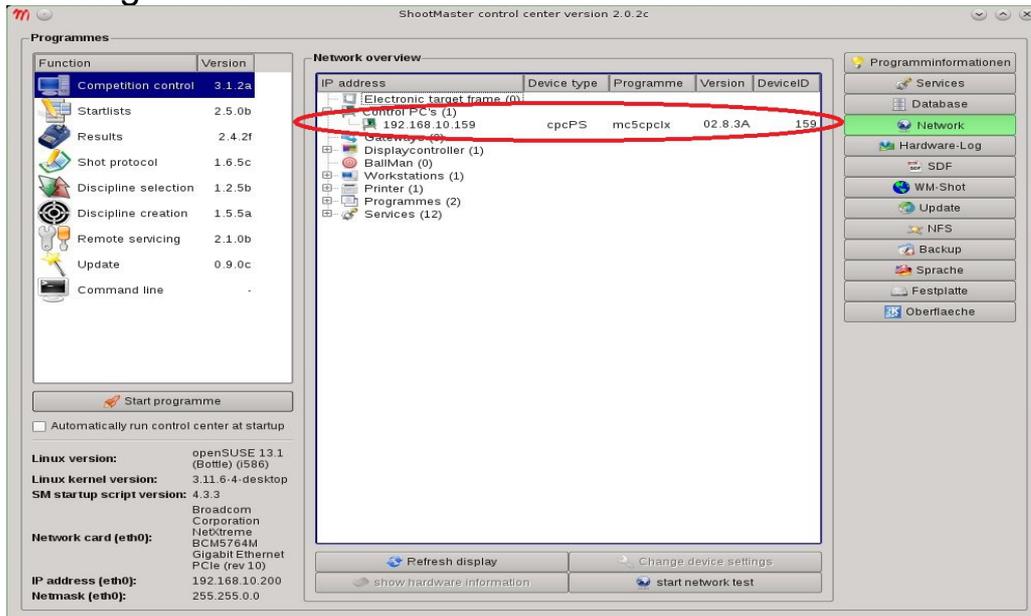


3. Switch on the first ControlPC.

- Once the ControlPC has started and has changed to a blue background screen, please click on the button "Refresh display" under the network overview in the Control Centre.



- There should now be an entry for the newly booted ControlPC under the heading "ControlPCs". The default IP address is 192.168.10.159.



- Now double-click on this entry. The configuration menu for the ControlPC will now appear. At the top, you can change the IP address of the ControlPC.

Services

- 1. [CPC settings](#)
- 2. [Filelist](#)
- 3. [Download](#)

Admin Program for Meyton's Control-PC - 02.3.0b

IN Address	Netmask	HW Address	Action	uptime
192.168. 10. 1	255.255.0.0	00:E0:4B:30:1A:3C	no action	0:02:44 (busy 11.3%)

enter clear

CPC settings

Parameter	Value
range id	159
timezone	Berlin
language	de
discipline	LP 60
hit presentation	paint the number of the hit
printer	IP 192.168.10.241
pause after hit	0
video mode (VGA)	SVGA 800x600 4/3

enter clear

Confirm the change with the button "*Enter*" underneath this part of the menu.

Services

- 1. [CPC settings](#)
- 2. [Filelist](#)
- 3. [Download](#)

Admin Program for Meyton's Control-PC - 02.3.0b

IN Address	Netmask	HW Address	Action	uptime
192.168. 10. 1	255.255.0.0	00:E0:4B:30:1A:3C	no action	0:02:44 (busy 11.3%)

enter clear

CPC settings

Parameter	Value
range id	1
timezone	Berlin
language	de
discipline	LP 60
hit presentation	paint the number of the hit
printer	IP 192.168.10.241
pause after hit	0
video mode (VGA)	SVGA 800x600 4/3

enter clear

7. In the lower part of the menu, the first point is 'Range ID'. This is the firing point number as shown at the top right of the display.

Services

1. [CPC settings](#)
2. [Filelist](#)
3. [Download](#)

Admin Program for Meyton's Control-PC - 02.3.0b

IN Address	Netmask	HW Address	Action	uptime
192.168. 10. 1	255.255.0.0	00:E0:4B:30:1A:3C	no action	0:02:44 (busy 11.3%)

enter clear

CPC settings

Parameter	Value
range id	159
timezone	1
language	2
discipline	4
hit presentation	6
printer	7
pause after hit	8
video mode (VGA)	9

enter clear

Also confirm changes with the button "*Enter*" underneath this part of the menu.

Services

1. [CPC settings](#)
2. [Filelist](#)
3. [Download](#)

Admin Program for Meyton's Control-PC - 02.3.0b

IN Address	Netmask	HW Address	Action	uptime
192.168. 10. 1	255.255.0.0	00:E0:4B:30:1A:3C	no action	0:02:44 (busy 11.3%)

enter clear

CPC settings

Parameter	Value
range id	1
timezone	Berlin
language	de
discipline	LP 60
hit presentation	paint the number of the hit
printer	IP 192.168.10.241
pause after hit	0
video mode (VGA)	SVGA 800x600 4/3

enter clear

Attention! Neither firing point numbers nor IP addresses may be duplicated within a network.

Special case RFP: The IP addresses and firing point numbers in a RFP range must be cumulative and grouped together from one to five, six to ten, and so on. For example, a RFP group of targets beginning with the number seven is not possible.

8. Now restart the newly changed ControlIPC.
9. You can now start up the next ControlIPC and repeat steps three to eight until all ControlIPCs have been re-set, one after another.

4. To assign the Measuring Frames:

1. Make a note of the serial numbers of the measuring frames, in ascending order.
2. Unplug the power supply cables from all the measuring frames. Switch off all of the control PCs.
3. Now plug in the connecting cable for the first measuring frame that you want to assign.
4. Now switch on the control PC to which you want to assign this measuring frame. After a few moments, the control PC display changes to a window in which you can see the measuring frames (in this case just the one) which have been found in the network, together with their serial numbers. If the measuring frame which has just been connected is not shown, the list can be refreshed using the green 'Sighting' button on the control pad.

```
Liste der "freien" Messrahmen
>>> SerienNr des Rahmens      Rahmentyp:      für StandNr:
      53571                MF5R1           139 Locked

[Menü] - markierten Rahmen mit SteuerPC im Modus "unlocked" verbinden
[Wertung] - markierten Rahmen mit SteuerPC im Modus "locked" verbinden
[vor] - nächsten Rahmen markieren
[zurück] - vorherigen Rahmen markieren
[Probe] - Rahmenliste erneut ermitteln
[Zoom] - ohne Änderung abbrechen
```

5. You connect the measuring frame to the control PC by pressing the red 'competition' button on the control pad. The control PC now begins the calibration of the measuring frame, after which the target is displayed.
6. Now you can connect/switch on the next measuring frame and the control PC it is to be paired with.
7. Repeat steps 3 to 5 until all control PCs have been connected to their relevant measuring frames.

The range assembly is now ready for use.