

## HARING STATIC TARGETS – SET UP PROCEDURE

1. Ensure that the target end is set up before starting the scoring computers.
  - a. As you will see target frames are now welded together in pairs and are mounted on wheels. The DJV targets are already fixed in position in the correct alignment.
  - b. You will also notice that there are 4 pieces of metal tube protruding from the concrete floor of the mantlet with wooden plugs in to keep the rubbish out.
  - c. These are to ensure the targets are located in the correct position. There are pins (coach bolts) stored on the wall underneath the LOMAH plug in points. These locate through holes in the base of the target frame into the holes in the concrete once the wooden plugs have been removed.
  - d. To enable correct alignment the target frames need to be almost touching the back wall of the mantlet.
  - e. Wheel out targets 3 & 4 and locate with pins. Take the lomah board leads from the hooks on the target and place in the correct plug in points inside the long shed.
  - f. Repeat same for targets 1 & 2.
  - g. Targets must be operated in the correct positions. You cannot put out 3 & 4 and operate in positions 1 & 2 for example as the calibration will not be accurate. If only 2 electronics are required then put out 3 & 4 in their correct positions; plug them in to 3 & 4 on the connector board. In the mid boar ante room switch on at the wall and then power up computer 1, then computers 3 & 4 and set up monitors 3 & 4.
  - h. Targets for forthcoming matches will be set up on Monday, but should the RO wish to change a target the procedure is as follows:
    - i. Targets are held on with long staples, but can be prised off the plywood backboard fairly easily. There is a staple extractor in the cupboard in the long shed and the key to this is available to range officers by the door into the long room.
    - ii. The new target will need to be offered up to the backboard with the target location template and the two pointed pins in the target location points as before. Once the target is in the correct position use the electric stapler in the cupboard to attach the target to the backboard. Not too many staples please as the targets have to come off and be re-used.

### **Move to MB to set up Statics FP**

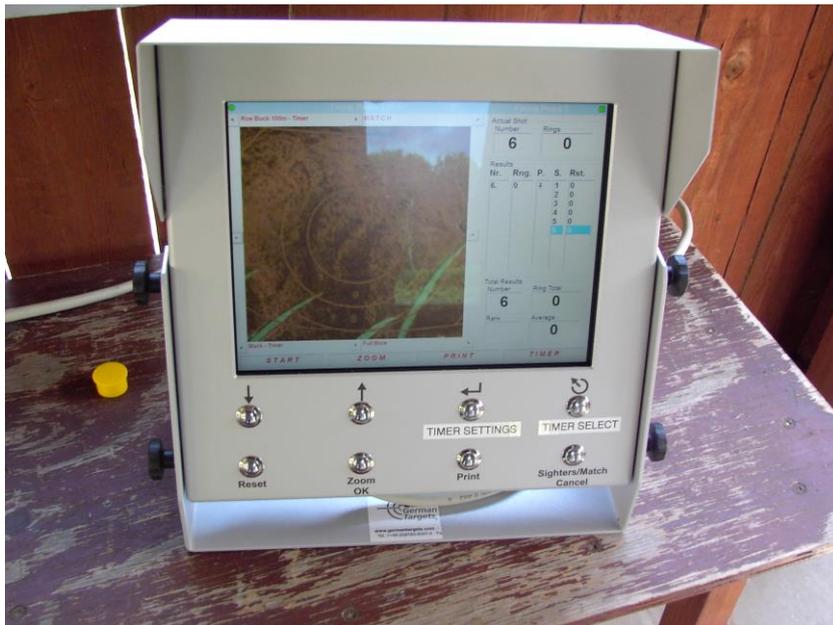
2. Switch on the two power switches located on the wall opposite the door labelled 'Static Targets'. These provide the power for the scoring computers, targets and monitors
3. The static target scoring computers, monitors and printer are located in the cupboards under the left hand work surface in the Mid Boar anti room. Unlock and open the cupboards.

4. Take the monitors to the firing point and attach the cables to the junction boxes fixed to the wall. The socket is protected by a yellow cover which needs to be removed before connecting the monitor cable. The monitors are not target number sensitive but use the monitor with the extra timing function labels on target 1.



5. The computers are labelled 'Static 1' to 'Static 4' from left to right, and match the numbering on the targets. Start-up 'Static 1' first and wait for it to complete start up and display the Haring target SW on the monitor before starting any of the other computers.
6. Once 'Static 1' has completed start up, start 'static 2, 3, or 4' as required. Regardless of which targets are in use 'Static 1' must always be running as the printer and timing functions are hosted by this computer.

7. The Scoring Software is identical to all the other BSRC ranges and the 8 button box is replicated on the front of each monitor. Select the required target.

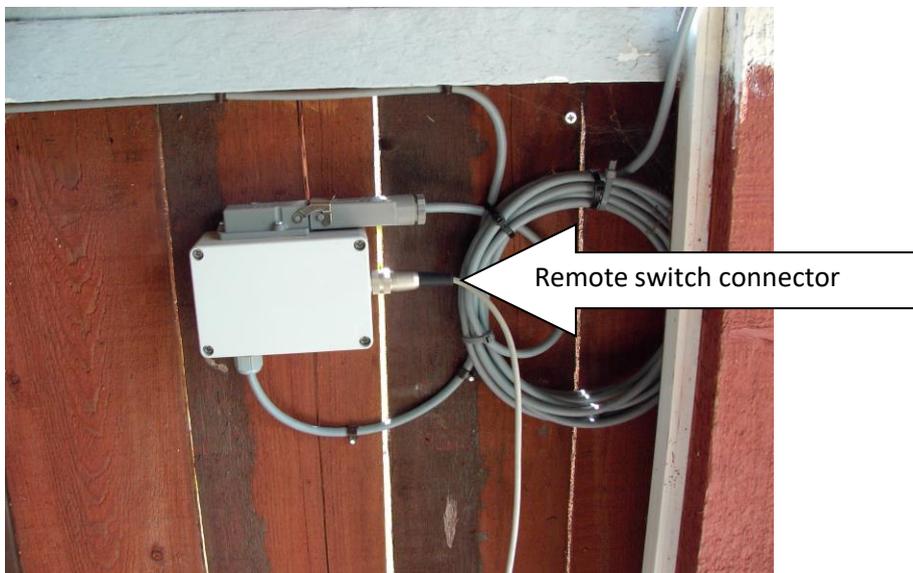
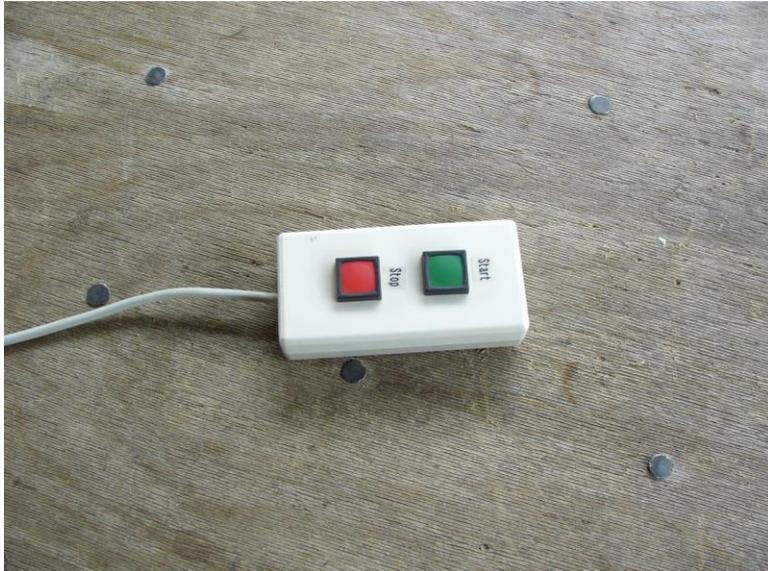


8. The printer, which services all 4 targets, is located in the cupboard to the left of 'Static 1'. This should power up automatically. If it does not start up check that the power switch towards the rear of the right hand side of the printer is on.
9. The Monitor connected to the Video switch box on the wall above the Static monitor storage is for maintenance use. It is not required when using the electronic targets.
10. On completion of shooting, shutdown the computers using the shutdown option from the menu on the monitor. Ensure that Target 1 (static 1) is shutdown last.

11. ONCE ALL COMPUTERS HAVE COMPLETED SHUTDOWN, turn off the two switches labelled 'Static Targets'.
12. Remove the monitors from the firing point and replace in the MB ante-room cupboard.
13. Lock the Cupboards
14. Repair to the Butts to pack away the targets.

## HARING STATIC TARGETS – SET UP AND OPERATING PROCEDURE FOR TIMING FUNCTION

1. Take the remote switch lead from the cupboard in the MB anti room and connect it to the control box in the FP



2. Select the 'Roe Buck 100m – Timer' target option on the target 1 monitor and then press the 'Timer Select Button'. Selecting the target will automatically connect it to the timer function.

Note 1: The timer function is available on all 4 targets but, when using the timer, Target 1 must always be in timer mode.

Note 2: There is also a timer target option for the 'Standing Boar' Simply select that target instead of the 'Roe Buck 100m – Timer'

3. If you wish to use the timer on other targets also, go to the relevant monitor and select the 'Roe Buck 100m – Timer' target option. Selecting the target will automatically connect it to the timer function if target 1 is in timer mode.
4. To check that the setup is OK, operate the timer as shown below (without anyone shooting) and confirm that the timer count runs at the top of the screen on all the targets set for timed shooting. A zero score will also be recorded. Go through the new shooter sequence (Reset + OK) to clear the screen before anyone shoots.

The timer is operated using the buttons on the remote switch lead. As there are only 2 lights with this system the timer function has been set up to require 2 presses of the start button to start the timer. The first press brings on the red light. The second press switches the red light off, brings on the green light and starts the timer. At the end of the 4 second period the green will go out and the red will light for 2 seconds.

5. Press and release the start button once. The red lights will illuminate.
6. Give the order to shoot and simultaneously press and release the start button again. The red lights will be extinguished and the green lights will illuminate. The timer digits at the top of the monitor screen will count down to zero. At the end of the 4s the green lights will be extinguished and the red lights illuminated for 2s.
7. Confirm that the shots have been recorded before initiating the next shot in the series because there may be a short delay in recording a zero score if the shot is taken after the allowed time.
8. Repeat instructions 5 to 7 for the rest of the 10 shot series.
9. To start a new series, go through the new shooter sequence (press reset then OK on the monitor buttons).
10. To disconnect a target from the Timer function simply select another target option e.g. 'Roe Buck 100m'
11. When packing away the monitors, unplug the timer remote switch lead and return it to the cupboard in the MB Anti room.

## Notes

Operating the timer opens up the target to receive a shot during the defined 4.1 second window. A shot taken outside of this window (either before the timer starts or after the end of the time period) will be scored as a zero. Please ensure that the green light is illuminated after the start button is pressed – if the timer is not running the shot will not be recorded.