Electronic Targeting System xCursor ET-2000 User's Guide.

Run xCursor ET-2000 user interface, at first will open the home screen (see Fig. 1).
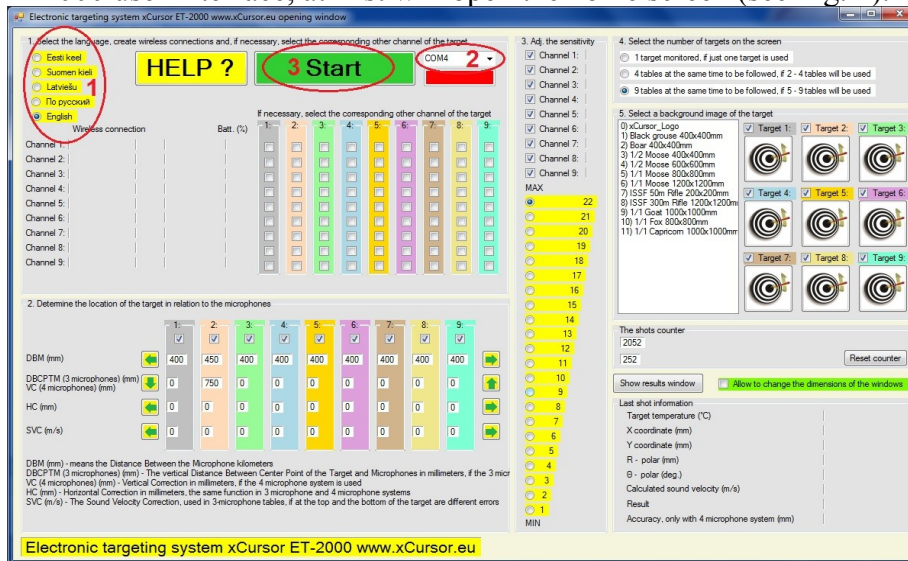

Figure 1. xCursor ET-2000 home screen

1. Choose language (Figure 1 Pos 1). This setting will be saved when leaving application and re-loaded on next opening!
2. Check comport, (Fig. 1 Pos 2) COM port should be seen. If not, you either do not connected xCursor EN-2000 radio modem to the computer's USB port, or is not installed on your computer "Silicon Labs CP210x Radiomodems driver," driver is available on www.xCursor.eu (Downloads> RadioDrivers)
3. Switch ON the target modem or modems (green light flashing) and click on "Start".
4. Now is to see the modems, which have the wireless connection (Figure 2 pos 1), is also reflected in the modem settings (Modem settings can be changed with application, found Downloads>"ChangeTargetModemSettings") and also the modem battery utilization percent.
5. The computer determines the channels corresponding targets (Figure 2 pos 2). At the same frequency can be used up to 9 targets. This setting can be changed if necessary.
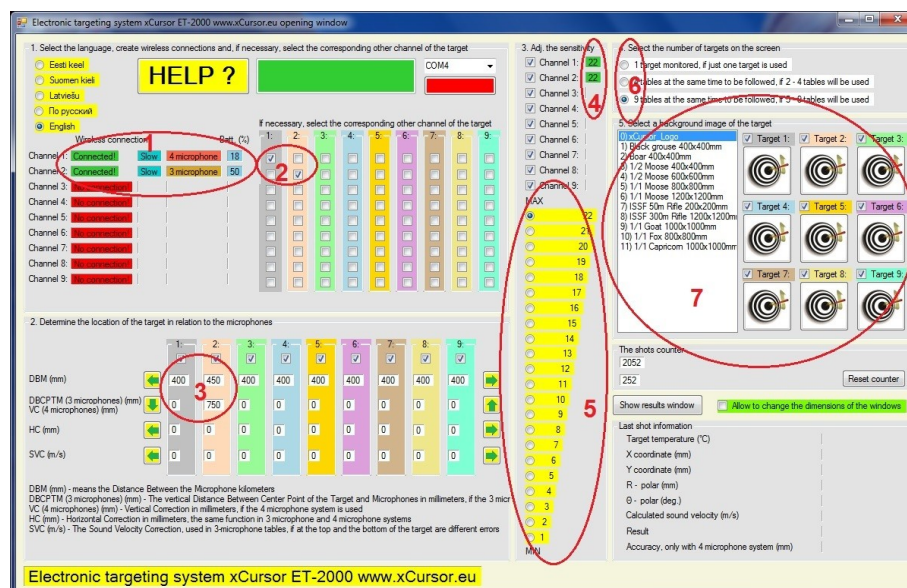

Figure 2. xCursor ET-2000 home screen after clicking "Start" (Figure 1 Pos 2) button

6. Next, We will determine the position of the target in relation of microphones (Figure 2 pos 3). In the first row must be put DBM (Distance Between Microphones) in millimeters (Figure 3). In the second row must be put:
    -if there is a 4 microphones target, then VC (Vertical Correction) in millimeters. Initially put a zero and then after some shooting correct it, put here a number in millimeters, with was the bullet hittingpoint error. Positive number affects so that after correction computer will show higher an vice versa.
    -if there is a 3 microphones target, then DBCPM (Distance Between the Center Point of the Target and Microphones in millimeters) (Figure 3). After some shoots You can fix the issues, adding to this number computer will show lover anvice versa. This setting will be saved when leaving application and re-loaded on next opening!
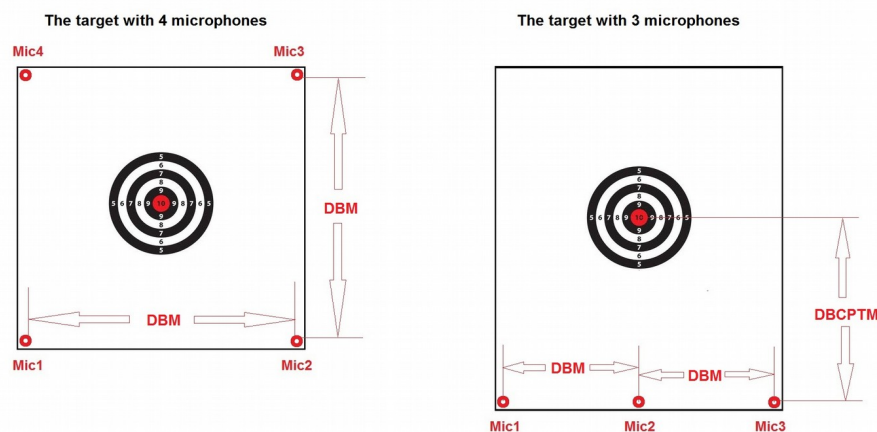

Figure 3 DBM (Distance Between Microphones) and DBCPTM (Distance Between the Center Point of the Target and Microphones in millimeters).

7. To the proper operation of the device, it is necessary to find the right sensitivity, which means that "as a microphone hears". Different sizes and with different speeds travelling bullets develop a sound with a varying strengths, therefore need to be find the corresponding sensitivity. Level 1 is the least sensitive and most sensitive level is 22. By shooting at the same time with different calipers, is usually always possible to find a sensitivity, you do not need to change, when the caliber changes (meaning that, device works properly in a large sensitive area). Adjusting could be done in „Opening window"(Figure 2 pos 5). Current settings are visible (Figure 2 point 4). This setting will be saved when leaving application and re-loaded on next opening!
8. Depending how many targets are used, may specify the number of targets, displayed on the screen at the same time. The options are 1, 4 or 9 tables (Figure 2 Pos 6).
9. Now We have to choose corresponding to each table background image (Figure 4 Pos 4) (selecting a background image will be also defined bullet hittngpoint point calculation algorithm). By clicking now in one of the right visible target buttons (Figure 4 Pos 4) The "Target Window" will open ("Target Window" will also open automatically, after the first shot.
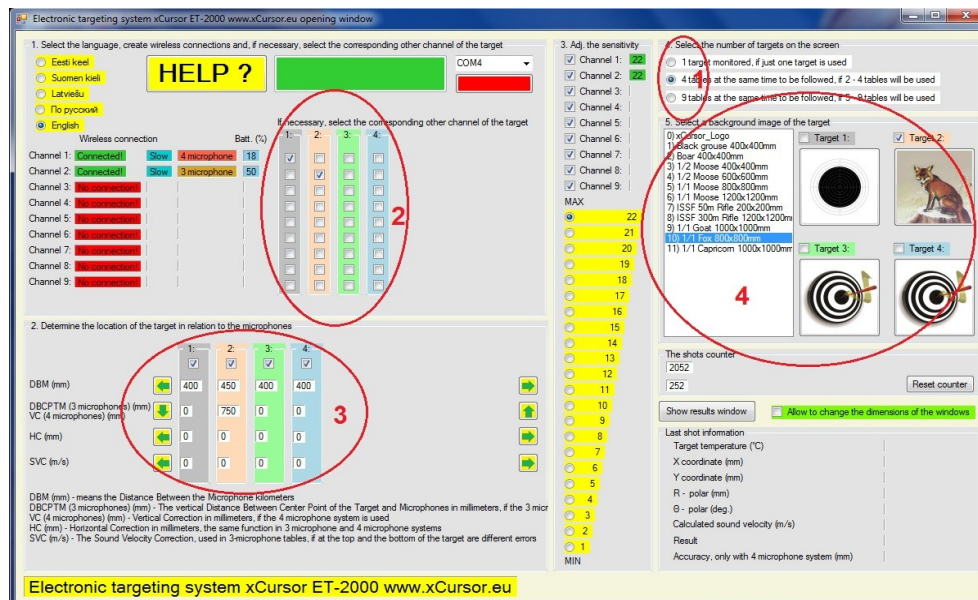
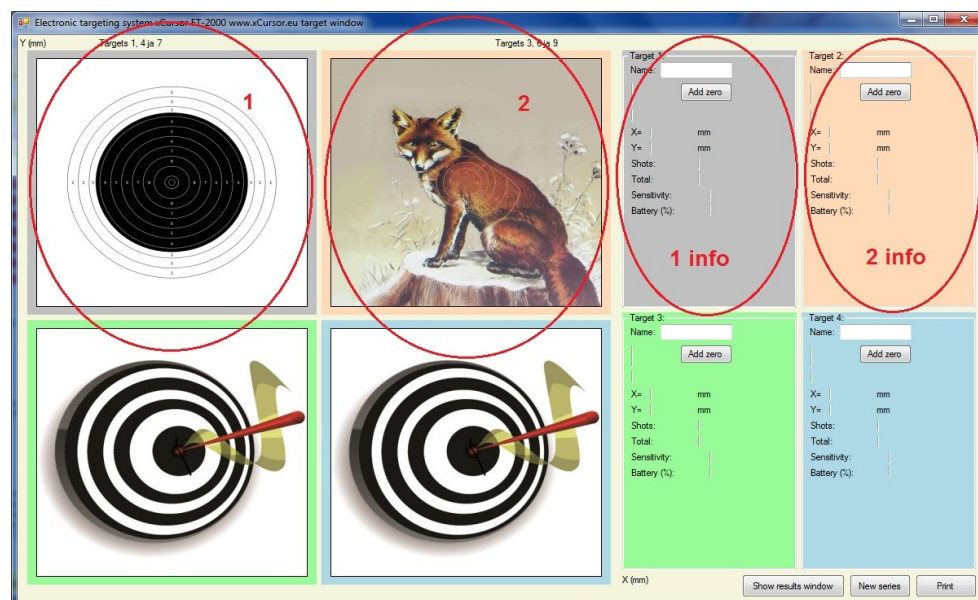Figure 4. The opening window, 4 targets selected

Figure 5. The Target window

10. You are now ready to shoot. As a result, changes take place in "Target Window" to display the target X and Y axes, the red dots on hit points and shot information (Figure 5 1 info and 2 info), at the same time We can hear score as audio. If You write the shooter's name (Figure 5 1 info and 2 info), it will be put in „shooting results window" (Figure 7 Pos 1). „Shooting results window" openes by clicking on the button "Show results windoe" (Figure 6 Paragraph 3).

Clicking in some target, it will be „zoomed".

If You want to start a new shooting series, You need to click on the button "New Series" (Figure 6 Pos 1), as a result, the screen will be "cleaned" from red dots and score counters are reset.

You can print „Target window"window by clicking on the button "Print" (Figure 6 pos 2). It will print to the printer, which is choosen on your computer as "Default" the printer.

By closing the application, shooting results are stored in the computer's memory. By opening again the application, You can reload the final table of the results, by clicking the "Restore the last archive" (Figure 7 Pos 3).

You can Copy-Past shooting results in to "Excel" spreadsheet, first select with the mouse

desired part of the table (turn blue after it), and then click on the button "Copy selected area,, (Figure 7 Pos 2). After that You can Paste it in "Windows Excel" spreadsheet.
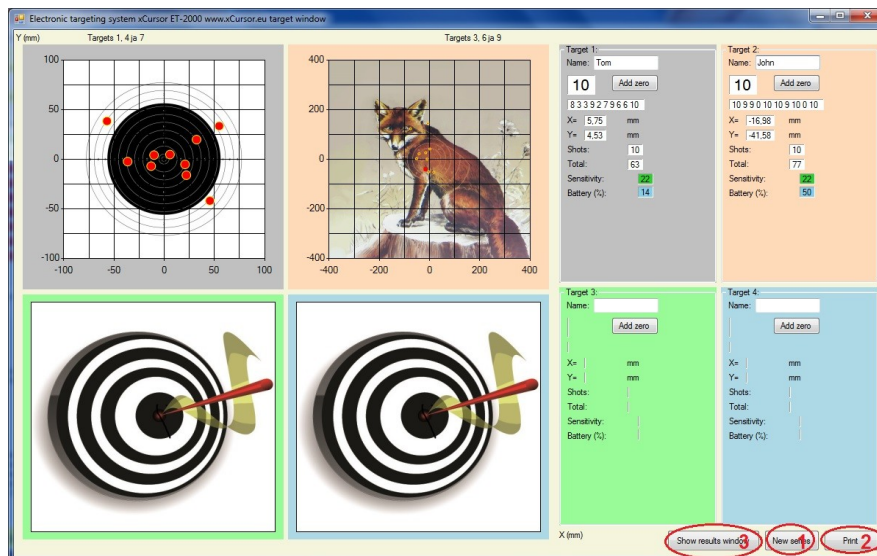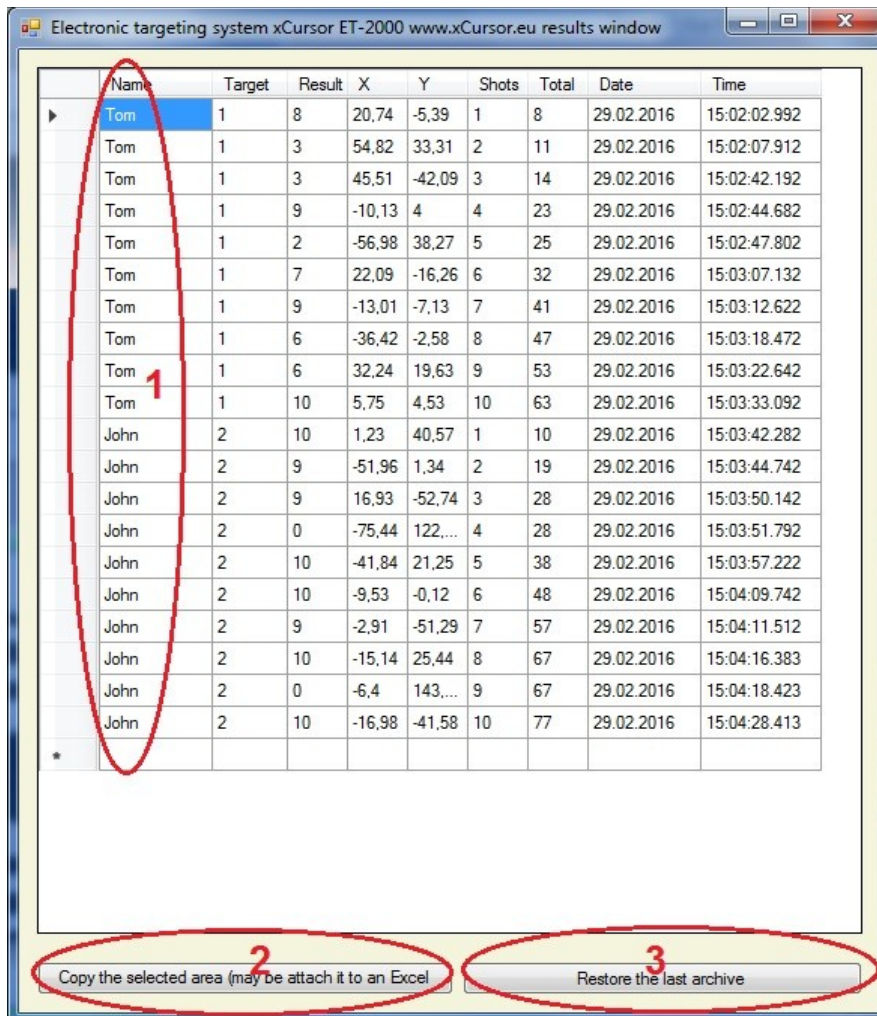

Figure 6. Picture Window After shooting the first and second target.

Figure 7. The shooting results window.