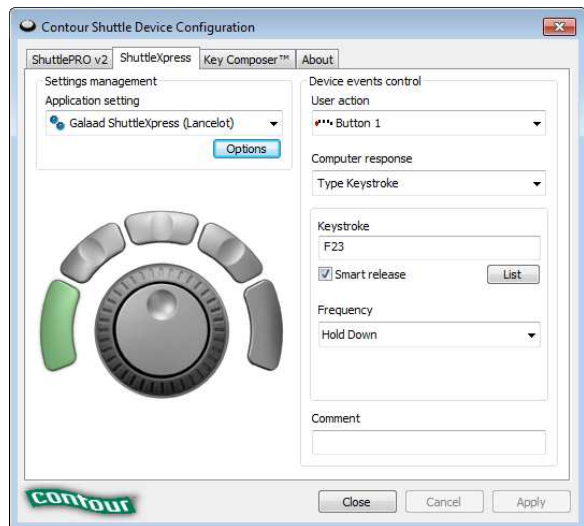


## INSTALLING A SHUTTLEXPRESS HANDWHEEL

- 1- Plug the ShuttleXpress to a USB port.
- 2- In Windows "System Tray" (the right-hand side of the taskbar where small icons appear), click on the Contour Design icon and call "Open Control Panel".
- 3- At top of the "Contour Shuttle Device Config" dialog box that pops up, click on "ShuttleXpress" tab.
- 4- Click on "Options" button then "Import settings". In Galaad installation directory on the hard disk, select file "SHUTTLEXPRESS-LAN.PREF".
- 5- In "Application setting" combo list, line "Galaad ShuttleXpress (Lancelot)" must be selected. If not, select it manually (they are in alphabetical order).
- 6- Click on "Options" then "Change target application". Select application programme "LANCELOT.EXE", still in the directory where Galaad has been installed.
- 7- Repeat operations 4 to 6 for Kay (import file "SHUTTLEXPRESS-KAY.PREF" and target application "KAY.EXE") then for Kynon (file "SHUTTLEXPRESS-KYN.PREF" and target application "KYNON.EXE").
- 8- Click on "Apply" at bottom of the window for each application, then "Close" once all are done. Each time Lancelot, Kay or Kynon windows holds the focus, its own settings from PREF file is used.



## JOGGING AXES MANUALLY

The three buttons at the top of the handwheel correspond to X,Y, Z. For driving an axis manually, click on one of them. Corresponding axis co-ordinates are displayed in white: this is the active axis for jogging with the wheel. It remains active during one minute after motion end and then is disabled to avoid mistakes.



The continuous motion ring lets you jog the active axis in negative (CCW) or positive (CW) directions, motion speed being modulated if the machine has a function for real-time speed control. Accelerations are very soft. The central wheel lets you drive an incremental motion. Double-click on XYZ buttons corresponds to "X-ok" or "Y-ok" or "Z-ok".

The two buttons at left and right sides change the increment to 0.1 mm and 0.01 mm, default value being 0.01 mm. If the machine has 4 axes, then the right-side button corresponds to A-axis and the left-side button flips between both increments. For the rotary axis, increments are 1° or 0.1° angular.