



4X4 PRO

Paper calibration

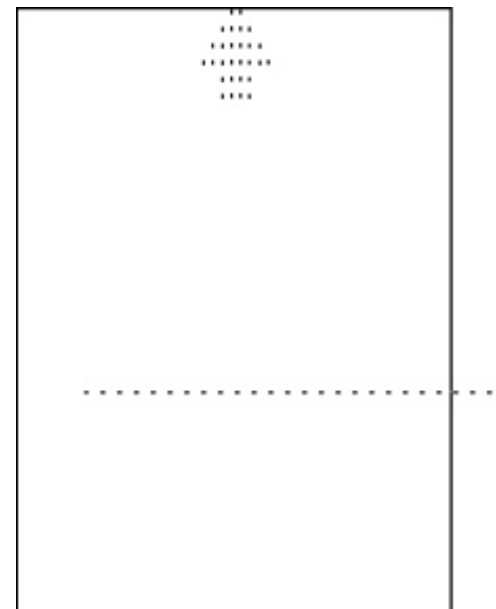
Mr Bjorn Lofstedt

*Index Braille opens
the door to Windows*



Calibration when?

- **Strange page layout (lines per page)**
- **Pre-folding line is out of position**
- **After reloading embosser firmware**



Firmware required

The paper calibration has been optimised to increase quality and the risk for handling mistakes during calibration. This instruction will apply for the following firmware versions, if your embosser has an earlier version, please install latest version.

- **Everest**
3-bit speech firmware 8.30 or above
4-bit speech firmware 9.30 or above
- **4X4 PRO**
3-bit speech firmware 1.30 or above
4-bit speech firmware 2.30 or above



Paper length in millimetres

- Measure the paper length in mm
- A mm scale is placed on the cover of Index Catalogue 2002
- The paper length in mm is needed during the calibration process



Item + power on

- Place a stack of paper in the sheet feeder
- Press "item" during power on until pip, pip..
- First sheet will be feeded and the estimated paper length will be echo out.
- Give the correct measured paper length in mm, by pressing "1" = +1 or "10" = -1 (each step 0.15 mm, 0.006")
- Save value by pressing "setup"





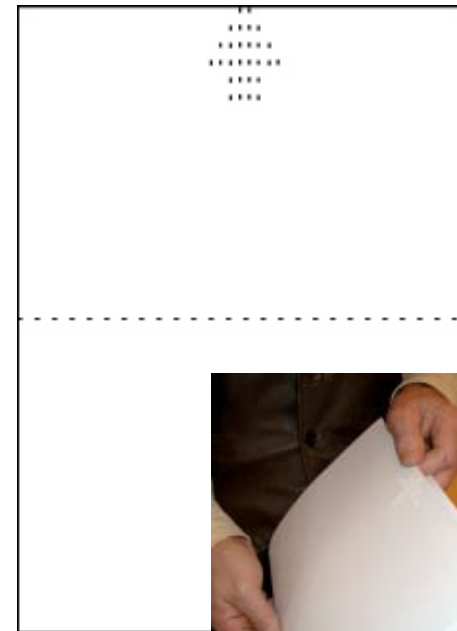
Second paper with an askew dot row

- **The second paper will be feeded and an askew row with dots will be embossed closed to the paper edge, and the question "give number of dots" will be echoed.**
- **Count how many dots you can see on the paper**
- **Set number of dots with "1", "10" and save with "setup"**



Test printout with selected values

- **One empty sheet is feeded to verify paper calibration values**
- **Everest**
The embosser will echo number of lines per page and characters per line
- **4X4 PRO**
A second sheet if feeded with a pre-folding line and arrow embossed
- **4X4 PRO**
Check the position of the pre-folding line, if it is not correct go to next step



Pre-folding line only 4X4

- **Adjustment is required if the pre-folding line is out of centre position.**
- **Check the position of the pre-folding test page in previous step.
If it is OK, press "set-up" to save "value"**
- **Adjust pre-folding line with "1" or "10", each step will change the length of the "arrow" page with 0.15 mm (0,006")
press "setup" to save value and emboss a new pre-folding test page based on updated values**
- **Repeat until pre-folding line is in centre position**



4X4 PRO ONLY Paper calibration A,B,C

- **NOTE;**
This paper calibration is only for the active setup A, B, or C.
- **The paper calibration process has to be repeated for setup A, B and C separately**
- **The reason is that different paper sizes and qualities can be used for A,B or C setup which effect the paper calibration values**



Check page layout

- **Check embosser page layout with your settings after calibration**
- **Press "value" and embosser will echo the active lines/page and characters/line**
- **When using a DOS based braille editor, such as for example Duxbury, this values has to correspond to the page layout setting in the editor.**

