

How to Change Conex - LDS Units to μ rad or arcsec Using Commands

In some instances it is required to change Conex-LDS units to μ rad or arcsec.

Here is a quick instruction guide on how to do so: simply send the commands one by one in the shown order from Diagnostics window of Conex-LDS GUI or save them in a text file and load at once from the same window via "Send Command File" tab.

1. Changing Conex-LDS units to μ rad:

1LB0
 1PW1
 10X [Your Conex-LDS Factory OX value]
 10Y [Your Conex-LDS Factory OY value]
 1PX [Your Conex-LDS Factory PX value]
 1PY [Your Conex-LDS Factory PY value]

1RG2000
 1SUURAD
 1PW0
 1RS

Example:

1LB0
 1PW1
 10X-7
 10Y133
 1PX4818.87
 1PY4814
 1RG2000
 1SUURAD
 1PW0
 1RS

2. Changing Conex-LDS units to arcsec

1LB0
 1PW1
 10X[Your Conex-LDS Factory OX value x 0.206265]
 10Y[Your Conex-LDS Factory OY value x 0.206265]
 1PX[Your Conex-LDS Factory PX value x 0.206265]
 1PY[Your Conex-LDS Factory PY value x 0.206265]

1RG400
 1SUSEC
 1PW0
 1RS

Note: In order to switch from μ rad to arcsec units, the OX, OY, PX, PY calibration values from the calibration certificate have to be multiplied by μ rad/arcsec = 0.206265.

Example:

1LB0
 1PW1
 10X-1.44
 10Y27.4
 1PX993.964
 1PY992.96
 1RG400
 1SUSEC
 1PW0
 1RS