

# bliss user commands

## Debug

`bench(command)`: benchmark a command  
`debugon("*mca*")``debugoff()`: activate debug  
`lprint()`: xxxxxxxxxxxxxxxxxxxx  
`lslog()` `lsdebug()`: xxxxxxxxxxxxxxxxxxxx  
`prdef(function)`: print the code and location of a function.

BLISS objects have a "in-shell info" feature: typing its name + `<f1>` print details about it.

## Wago

Wago boxes

`interlock_show(w1, w2)`: print status of:  
-wago interlock for boxes w1 and w2  
-all boxes of the session if none specified

## Lima

Lima

`edit_roi_counter()` : XXXXX

## History

Typed commands are accessible via F3 key

`[SPACE]`: select current command  
`[ENTER]`: exit history mode  
`ctrl-o`: execute selected commands

## Counters

conversion function

```
sssss
cnt.
dddd
```

## Keithley

Lima

`kdiag.range=0.002` : XXXXX

## Configuration

Beacon, Redis and Co.

`interlock_show(w1, w2)`: print status of:  
-wago interlock for boxes w1 and w2  
-all boxes of the session if none specified

```
wa(): xxxxxxxxxxxxxxxxxxxx
wm(mot1,...motN): xxxxxxxxxxxxxxxxxxxx
umv(mot1,3...motN,5): xxxxxxxxxxxxxxxxxxxx
```

Common step scans

`bench(command)`: benchmark a command

## Counters

Sampling Counters

```
from bliss.common.counters import SamplingMode
cnt.mode = SamplingMode.SINGLE
set cnt in SINGLE mode
1: MEAN 2: STATS 3: SAMPLES
4: SINGLE 5: LAST 6: INTEGRATE 7: INTEGRATE_STATS
```

## Undulators

Insertion Devices