

S-Dexter Busy Status

The server can be busy for performing one of the below tasks:

- Taking data
- Doing equalization
- Scanning DAC
- Scanning thresholds

While the server is busy with any above mentioned tasks, it is not wise to set or request any data to or from detector. This can interrupt the current server's job. To avoid this while the server is performing any of these tasks, it sets its status to busy and block all the incoming commands from the clients and responds them with error code. For each busy state it only allows an appropriate command to stop the current task which set the server status to busy. For example, if server is busy with equalization, only the "STOPEQUALIZATION" command will be accepted to stop the equalization and any other commands will be blocked and responded by suitable error code. The table below shows the error codes correspond to each busy status and appropriate command that the server will accept while he is in a certain busy status.

The busy status will be released if the task is either performed or stopped by users.

Error code	Meaning	Allowed command
101	Server is busy with taking data	STOPACQUISITION
102	Server is busy with equalization	STOPEQUALIZATION
103	Server is busy with DAC scanning	-
104	Server is busy with threshold scanning	THSCAN

Example:

```
send :      MPX,0000000015,GET,THRESHOLD0
respond :   MPX,0000000021,GET,THRESHOLD0,144,0
send :      MPX,0000000021,CMD,STARTACQUISITION
respond :   MPX,0000000023,CMD,STARTACQUISITION,0
send :      MPX,0000000015,GET,THRESHOLD0
respond :   MPX,0000000020,GET,THRESHOLD0,,101
```