# List of functions to be programmed for IFW

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| **Function name** | **Input** | **Output** | **Description** |
| switchDevice | device\_ID | “Success” or “Error” | This function will switch to another COM port and clear data from previous |
| checkStatus | None | Device\_id  COM\_number  Filter\_position | Returns information about currently initialized IFW |
| turnFilter | “right” or “left” | “Success” or “Error” | Turn filter wheel one position clockwise or counterclockwise |
| chooseFilter | Integer from 1 to 5 | “Success” or “Error” | Switches to certain filter |
| returnHome | None | “Success” or “Error” | Return filter wheel to the initial position |