SPID & SPX Rotators Gear Setup:

MD-01 and MD-02 controllers are standard configured for use with type RAS/HR or BIG-RAS/HR rotors. Because this, it is necessary to check the gear settings for both axes (AZ & EL):

> **Before you start, check which version firmware is installed in your MD-0X controller.**
> You can check firmware version by pressing F2 and F button at the same time, actual version will be displayed on the LCD display.

How you setup gear setting:

- Press S button
- Press > button to select the Motor (1 or 2)
- Press S again, you now enter into the Motor 1 or 2 menu
- Press > several times to step through the menu and find GEAR
- Press the UP or Down button to change the Gear (step by step)
- When done, Press F button and save you changes

Gear Settings SPX/HR & SPID/HR AZ and AZ&EL Rotators :

All SPX/HR and SPID/HR rotators do have different gear settings, you can check this in the menu by pressing the "S" button and switch into the menu Set Motor 1 and Set Motor 2 to enter the Gear.
Set Gear to the value which is in the list below. Be sure to pick the correct value from the list !

Gear Settings SPID/HR Rotator:

ROTOR Model	Gear Firmware version < v.2	Gear Firmware version > v.2
RAU/HR	0.1875	0.046875
RAK/HR	0.1250	0.031250
RAEL/HR	0.1250	0.031250
BIG-RAK/HR	0.0938	0.023450
RAS/HR	0.1250	0.031250
BIG-RAS/HR	0.093750	0.023438
RING-01/HR	0.0500	0.012500
RING-02/HR	0.0250	0.006250

Gear Settings SPX-0X/HR Rotator:

Rotor Model	Gear Firmware version < v.2	Gear Firmware version > v.2
SPX-01/HR	0.140625	0.035156
SPX-02/HR	0.140625	0.035156
SPX-02/HR/MW	0.140625	0.035156
SPX-03/HR	0.140625	0.035156

Update firmware:

If you own a controller which still run under firmware <v.2.xxx we recommend to upload to the latest version SPID firmware >v.2.xxx
(RF HAMDESIGN does not support any more MD-0x controllers which have installed firmware versions <.2.xxx)

SPID & RF HAMDESIGN introduces when necessary new firmware updates for your MD-0X controller.
You can find this firmware update for your MD-0X controller on our /HR Support page.
Please refer our: how to Firmware update MD-0X controller info sheet on this HR Support page.
Find this page on our website: www.rfhamdesign / SPID HR Antenna Rotators / HR Support Page

You can check firmware version by pressing F2 and F button at the same time, actual version will be displayed on the LCD display.

Note: Do not upload Firmware before you are sure you checked the correct working of your system with the current version Firmware !