MO-SYS L40
MANUAL AND USER GUIDE
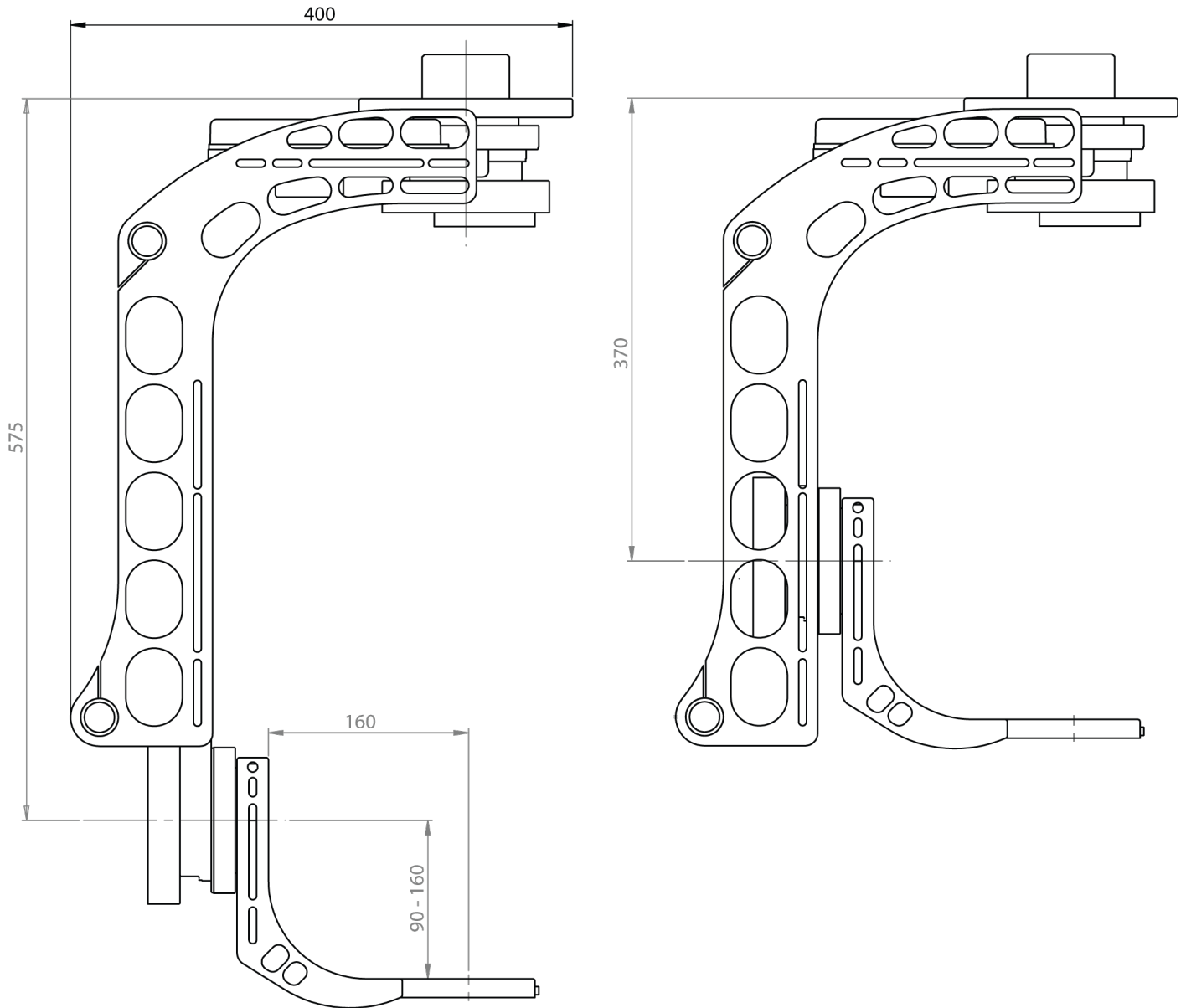
Head Weight: 15kg	Power supply:	Nominal 24V
Max. Payload: 40kg		Nominal 3A
		Peak 10A
Max movement speed:		
180°/Sec. At 24V		

SYSTEM CABLING SETUP

CONSOLE

OPTIONAL

MO-SYS

MFM12021

TERMINATOR

TERMINATOR

PSU

Mo-Sys
Power Supply
24 V / 20 A

↑ ! This Way Up ! ↑
Beware of Moisture
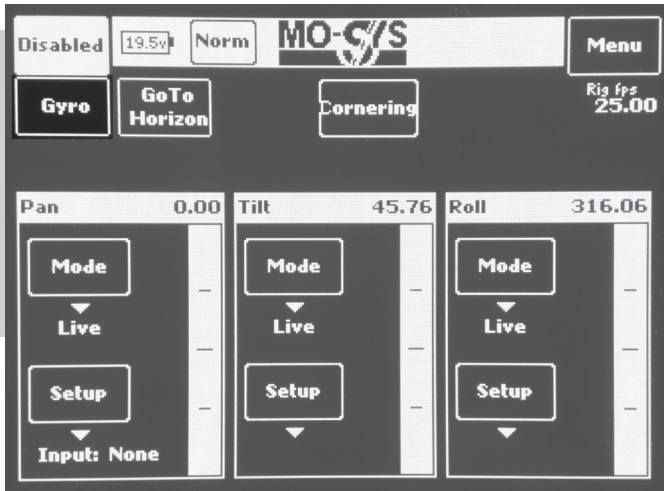
PELI CASE
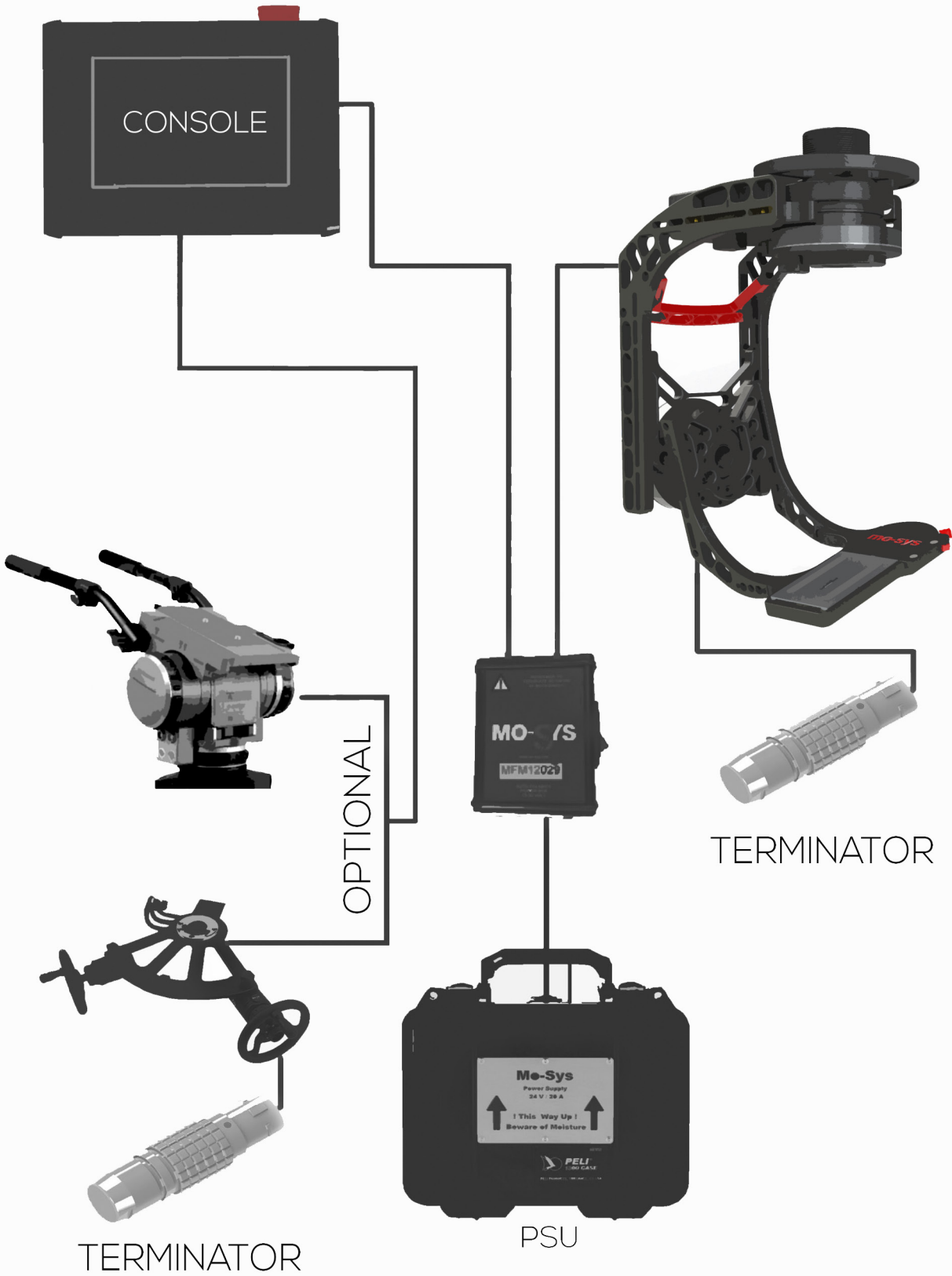
# GYRO SETTINGS AND HEAD SENSITIVITY ADJUSTMENT

When console is turned on, this is the general window. Press Gyro button for further gyro options.
In this window you can adjust Pan, Tilt, Roll modes and speeds.

To calibrate Gyro, first ensure that head is DISABLED by checking top left corner. By default, after turning system on, head is always disabled. Gyro have to be disabled too. You can disable Gyro by pressing button on left. By default, after turning system on, Gyro is always disabled.

When head and gyro is disabled, press "Anti-Drift Recalibrate" button. In the Gyro Status window it will show
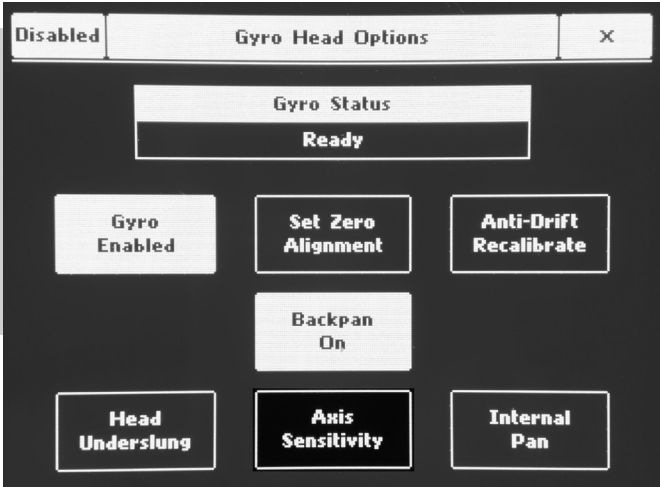
"Zeroing..."

Wait until it will show "Ready".
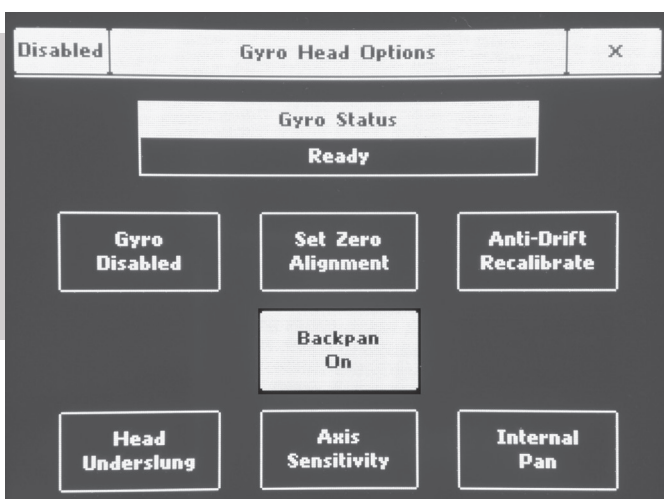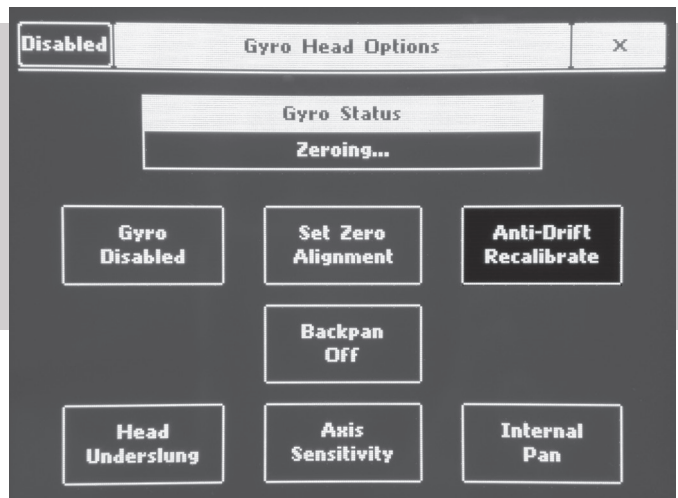
Choose Backpan on or off. Backpan is an option for head use with crane. Pan axis of the head tracks rotation of Pan Gyro, so head keeps pointing in same direction (don't use Backpan unless necessary).
Disable Backpan when moving head in multiple rotations (eg. When mounted on a car).

To check axis sensitivity, press "Axis Sensitivity" button, where you can reduce or increase sensitivity of each axis separately.
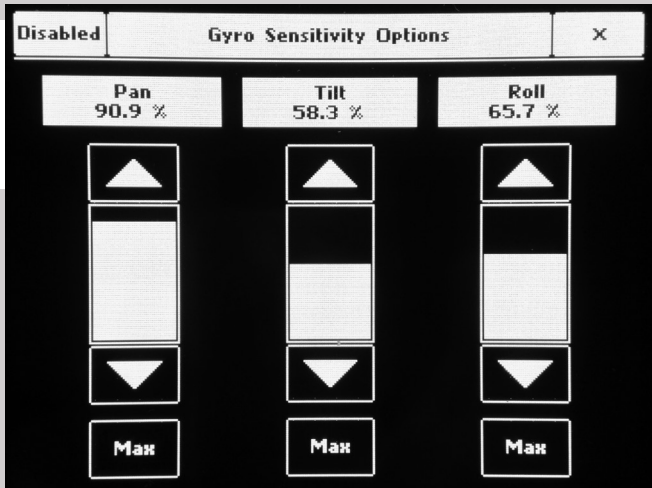
Usually when head is mounted on shock isolator or other non-rigid surface, the PAN gyro need to have it's sensitivity reduced to prevent shaking/resonance problems.
Usually the TILT and ROLL are left at MAX sensitivity.
If the mount is an unknown quantity, reduce PAN sensitivity to 50% before enabling gyro.
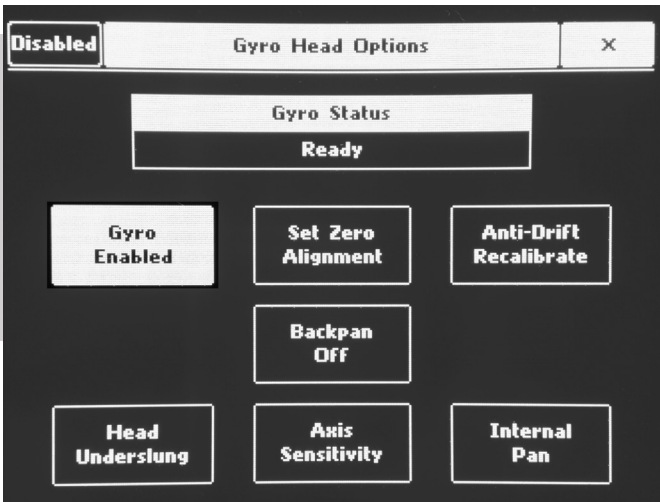
After Gyro sensitivity is adjusted, enable gyro by pressing "Gyro disabled" and it will appear as "Gyro Enabled" as shown in image. Then enable head by pressing button in top left corner "Disabled".
Test gyro performance by swinging head with your hands.

Adjust sensitivity of PAN if you have lowered it before.
Adjust by gradually increasing PAN until resoance just felt.
Reduce it slightly until there is no resonance.

Highlighted buttons in the image on the right are not used in Mo-Sys L-40 head setup.