

Liverage Technology Product Specification

of

HOT Pet III

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1. General Description

The HOT Pet III is designed for 40 Gbps ~ 1.6 Tbps optical networking power meters. It can measure 4 channels or 8 channels output power in the optical network at one time. The memory can record 600 data and data downloaded via USB Connections. The battery can last 6 hours.



2. Features

- For high speed 4 CHs or 8 CHs power meter measurements.
- SM or MM MPO/APC Connectors.
- LC adapter designed for LR4、ER4、ZR4、CWDM4 or FR4 Transceiver Module.
- LC to MPO adapter designed for LR8、ER8 or FR8 Transceiver Module.
- Touch panel design.

3. Applications

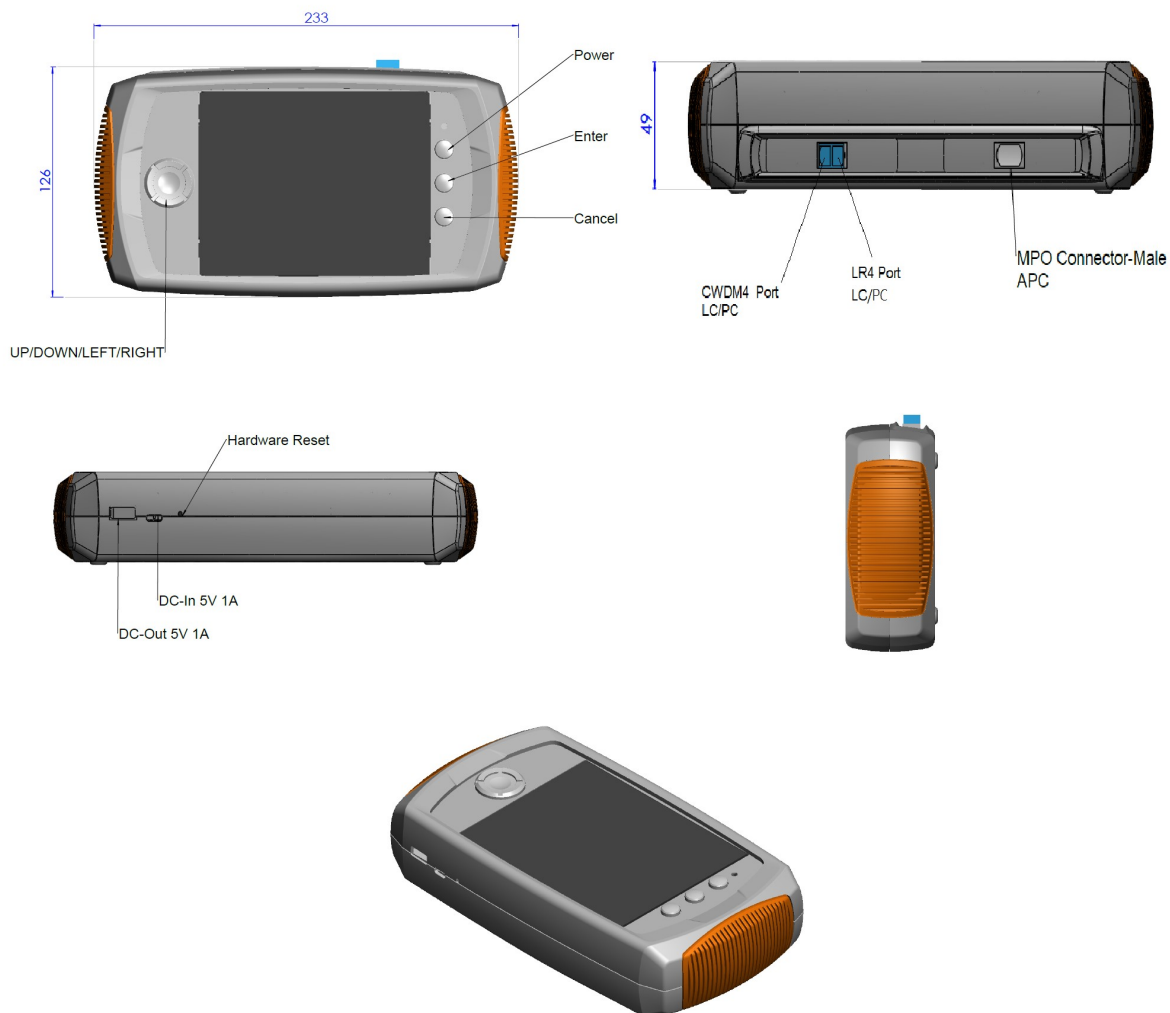
- For 40G / 100G SR4、LR4、ER4、ZR4、CWDM4、PSM4 Transceiver modules output power measurement.
- For 200G SR4、LR4、ER4、FR4、DR4、SR8、LR8、ER8 Transceiver modules output power measurement.
- For 400G SR4、LR4、FR4、DR4、SR8、LR8、ER8、FR8、DR8 Transceiver modules output power measurement.
- For 800G SR8、LR8、FR8、DR8 Transceiver modules output power measurement.
- For 1.6T SR8、DR8 Transceiver modules output power measurement.

4. Specification

Item	Value	Unit
SM Receiving Power Range	+7 ~ -40	dBm
MM Receiving Power Range	+5 ~ -40	dBm
Saving Memory Records	600	Data
Battery Operating Time	6	Hours

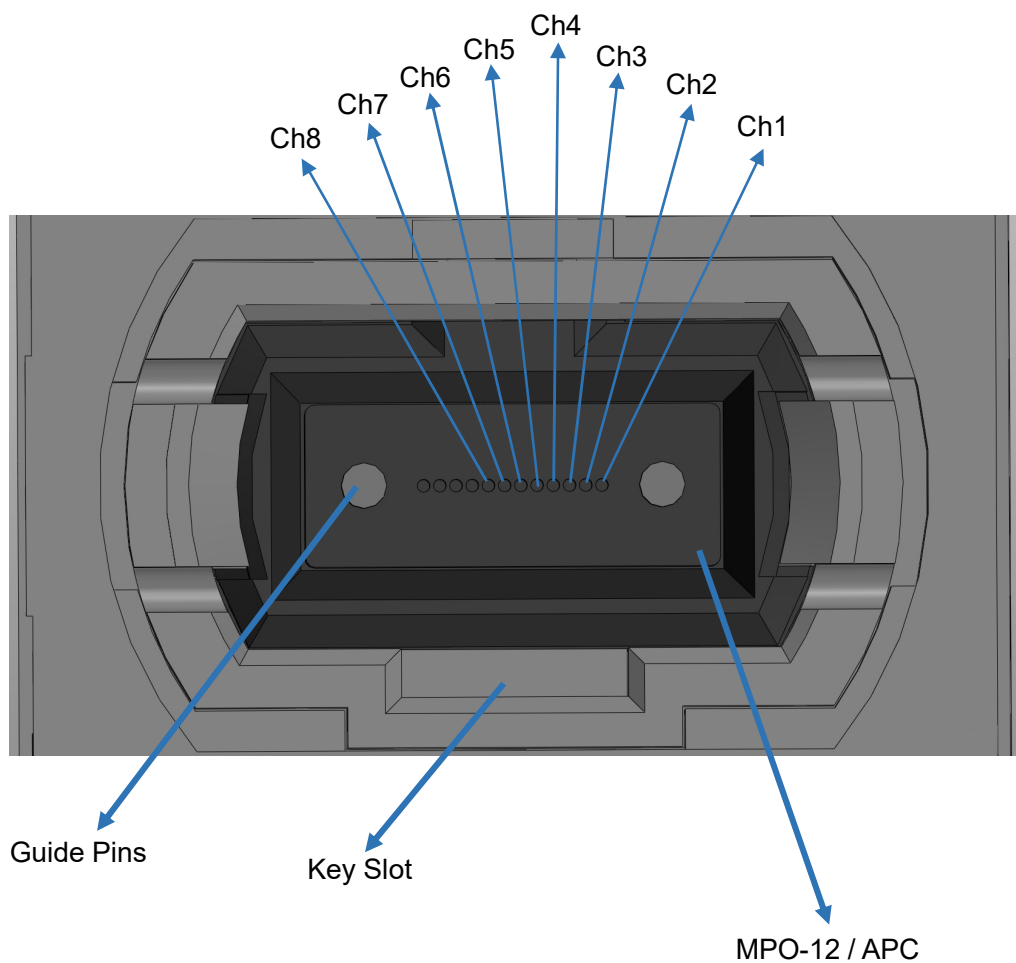
5. Dimension

(in mm)



223mm(L) x 126mm(W) x 49mm (H)

Optical channel configuration diagram of MPO-12 of Hot pet.



6. Operation Manuel

APC
Liverage
Enjoy your life

2021/07/06 10:09 

MODE 400G FR8 Total(dBm) +9.03

Channel	1	2	3	4
Wavelength(nm)	1271	1291	1311	1331
Power(dBm)	+0.00	+0.00	+0.00	+0.00
Channel	5	6	7	8
Wavelength(nm)	1351	1371	1391	1411
Power(dBm)	+0.00	+0.00	+0.00	+0.00

MODE SAVE SET

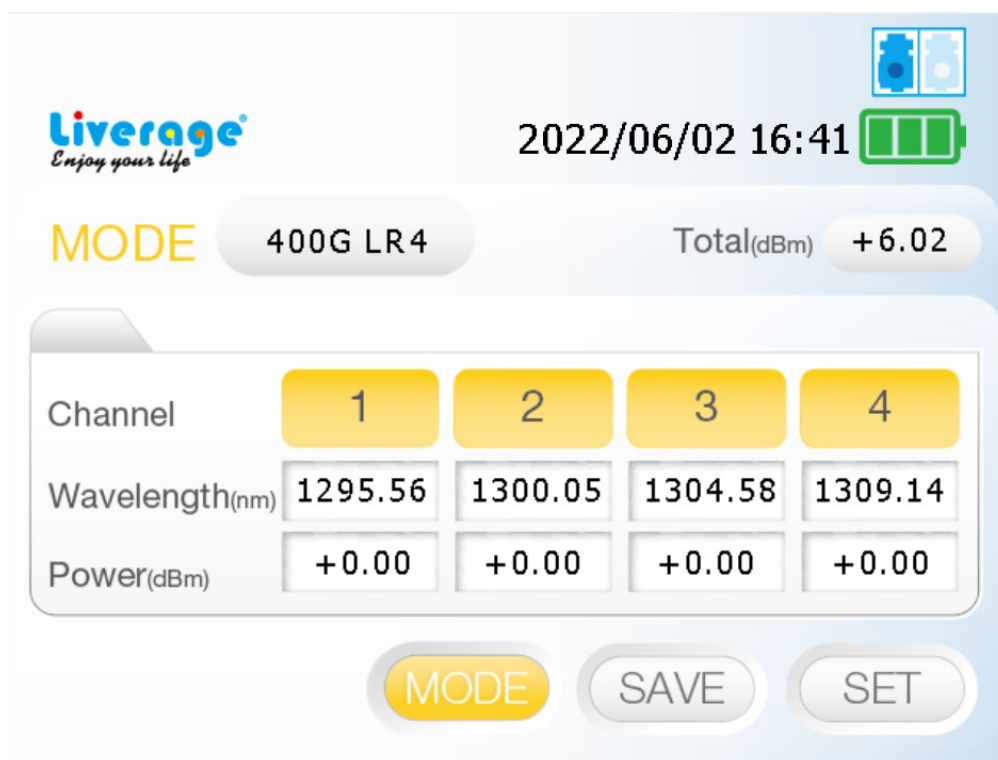
APC
Liverage
Enjoy your life

2021/05/31 14:19 

MODE 200G DR4

Channel	1	2	3	4
Wavelength(nm)	1310	1310	1310	1310
Power(dBm)	+0.00	+0.00	+0.00	+0.00

MODE SAVE SET



The screenshot shows the Liverage device interface. At the top, there is a status bar with the Liverage logo, the date and time '2022/06/02 16:41', and a battery level indicator. Below this, the 'MODE' is set to '400G LR4' and the 'Total(dBm)' is '+6.02'. A table displays the configuration for four channels:

Channel	1	2	3	4
Wavelength(nm)	1295.56	1300.05	1304.58	1309.14
Power(dBm)	+0.00	+0.00	+0.00	+0.00

At the bottom of the interface, there are three buttons: 'MODE', 'SAVE', and 'SET'.



: SM or MM MPO/APC Connectors for SR4、DR4、PSM4、SR8、DR8、LR8、ER8 or FR8 Transceiver Module.



: LC adapter designed for LR4、ER4、ZR4 Transceiver Module.



: LC adapter designed for CWDM4、FR4 Transceiver Module.



: To select mode of measuring.

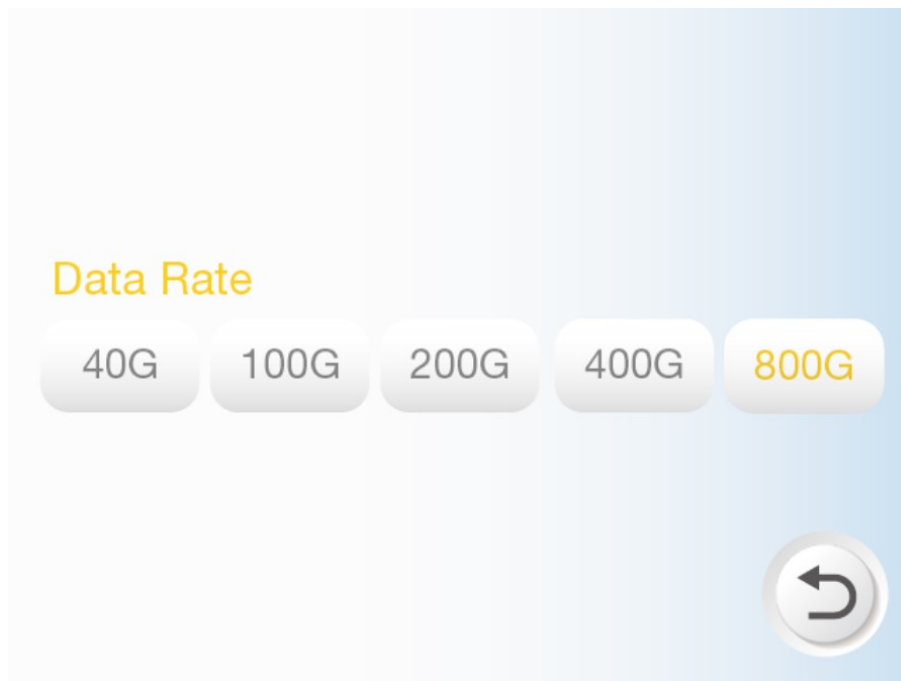


: To save the measuring data.



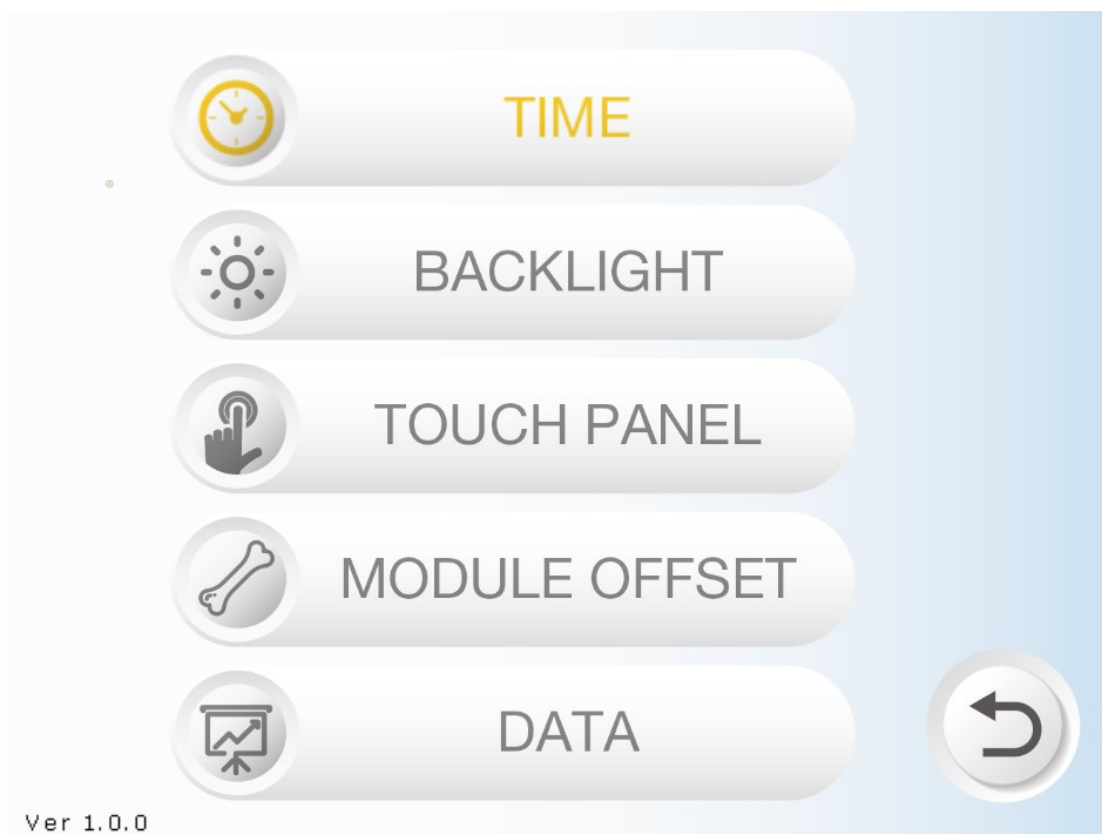
: To enter the setting page.

MODE : To select mode of measuring (Data Rate) .



 : To get back the Next Page

 : To enter the setting page.

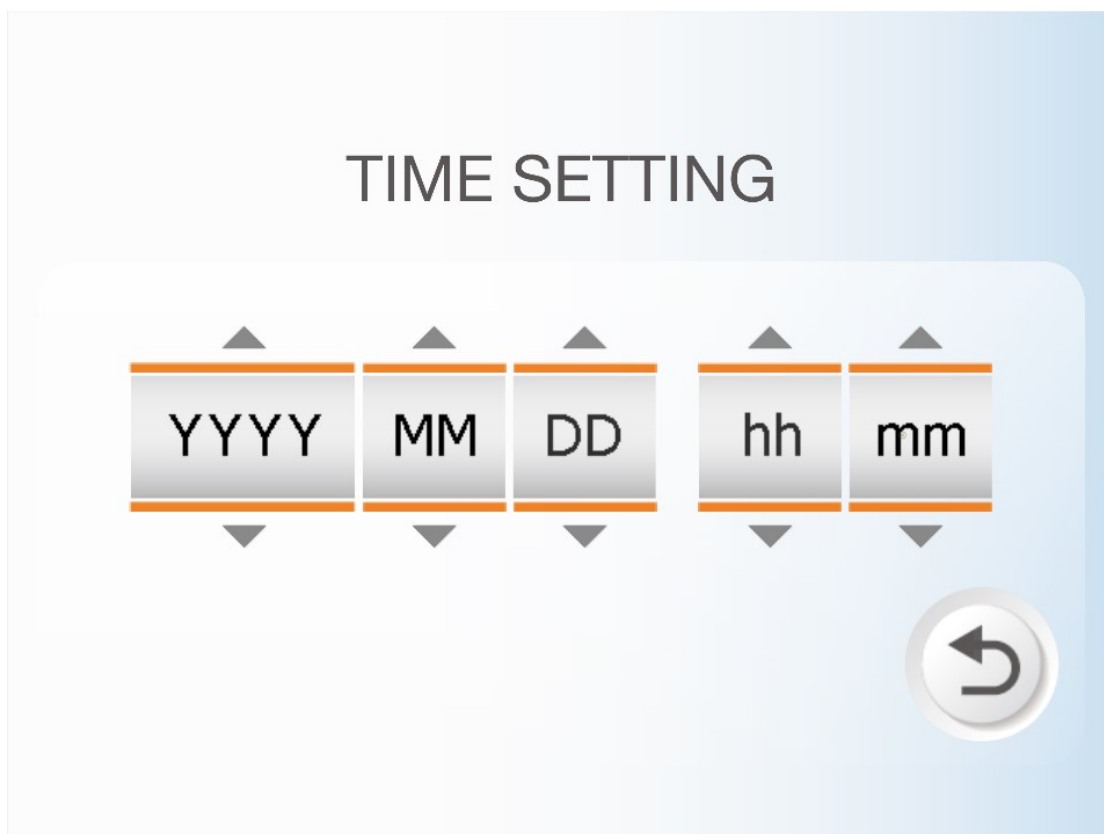


-  TIME : To Setup Time
-  BACKLIGHT : To Setup LCD backlight
-  TOUCH PANEL : Touch Panel Switch
-  MODULE OFFSET : To Setup Module offset
-  DATA : To Inspect the Data
-  : To get back the Next Page



TIME

: To Setup Time



YYYY : Years

MM : Months

DD : Days

hh : Hours

mm : Minutes

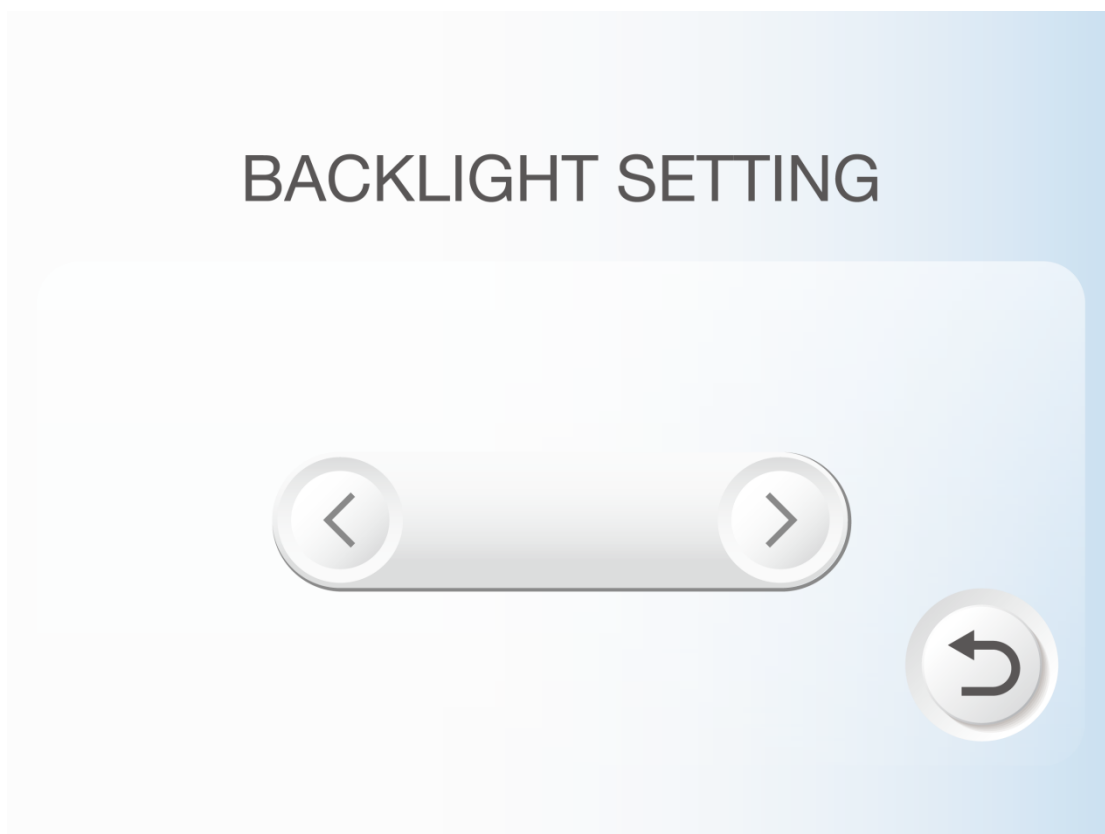


: To change Time



: To get back the Next Page

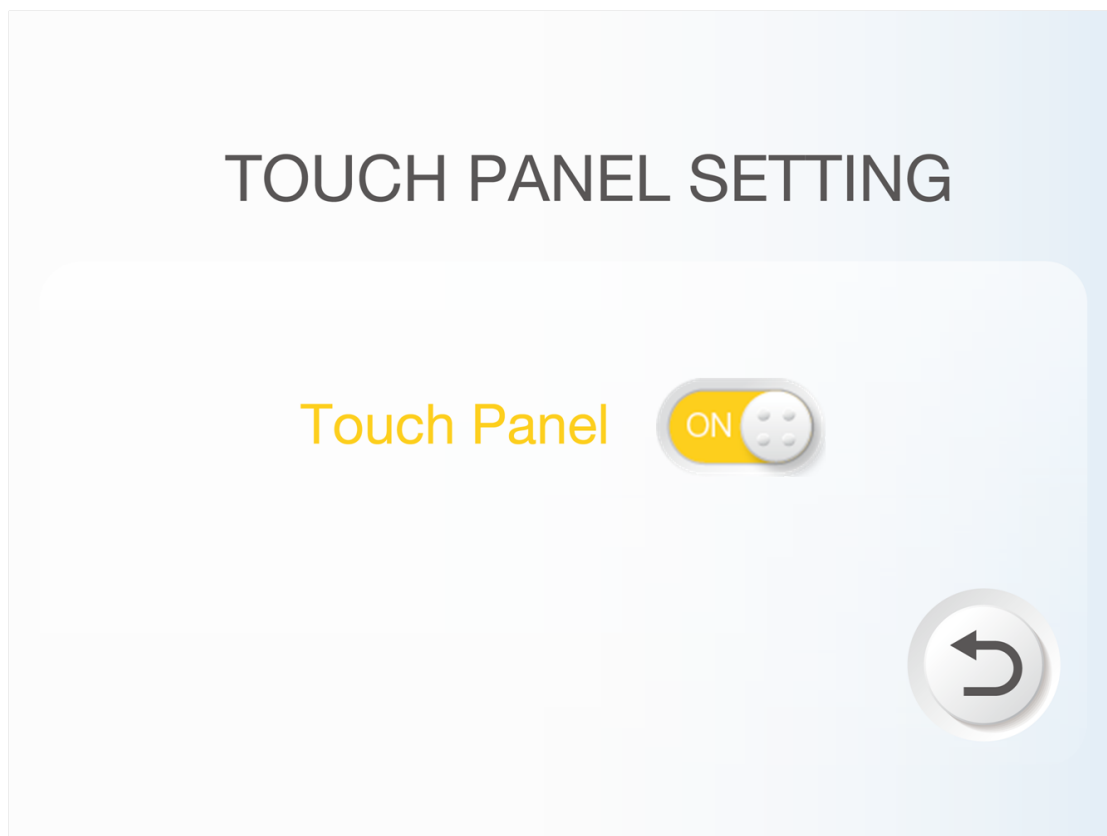
 BACKLIGHT : To Setup LCD backlight



  : To Adjust LCD backlight luminance

 : To get back the Next Page

 TOUCH PANEL : Touch Panel Setting



 : To Turn On / Turn Off Touch Panel

 : To get back Next Page

 **MODULE OFFSET** : To Setup Module offset (De-Mux I.L)

DEMUX OFFSET

CWDM8/FR8

CH1 1271	CH2 1291	CH3 1311	CH4 1331
1.5	0.9	1.5	1.4
CH5 1351	CH6 1371	CH7 1391	CH8 1411
1.7	1.2	1.0	1.1

RESET

 : Reset to initial value

 : To get back the Next Page

 DATA : To Inspect the Data

	001	L4	2018-08-23 13:58:58
	002	S4	2018-08-23 14:00:47
	003	C4	2018-08-23 15:33:53
	004	P4	2018-08-23 15:36:37
	005	L4	2018-08-23 15:46:05
	006	L4	2018-08-23 16:15:31
	007	L4	2018-08-23 16:19:58
	008	L4	2018-08-23 16:21:11
	009	L4	2018-08-23 16:33:45
	010	L4	2018-08-23 18:00:01


 01





 : To Change Pages

 : To get back the Next Page

Save data display :

2020-05-20 13:14:20

MODE

400G LR8

Total(dBm) +9.03

Channel	1	2	3	4
Wavelength(nm)	1273.55	1277.89	1282.26	1286.67
Power(dBm)	+0.00	+0.00	+0.00	+0.00
Channel	5	6	7	8
Wavelength(nm)	1295.56	1300.05	1304.58	1309.14
Power(dBm)	+0.00	+0.00	+0.00	+0.00

<
050
>
↶



: To Forward / Backward data



: To get back the Next Page

7. Cautions

Like any other type of electronic equipment, this HOT Pet III should be kept away from water, high humidity, dust, electricity, and environments of extreme temperatures. Do not drop this tool on any hard surface. Internal modification of any of the HOT Pet III components can cause a malfunction and will invalidate the manufacturer's warranty.

8. Warranty

The manufacturer warrants this product to be free of defects in workmanship and materials for a period of 1 year after purchase. This warranty is solely limited to the repair or replacement of the original parts. All other costs are the sole responsibility of the owner. This warranty does not cover any defects, damage, or deterioration due to misuse, alteration, or negligence.

9. Service Contact

Please contact us:

Leverage Technology Inc.
3F-5, No. 30 Taiyuan Street,
Chupei City, Hsinchu County 302, Taiwan

TEL:+886-3-5525268

FAX: +886-3-5525388

e-mail: sales@liverage.com.tw

<http://www.liverage.com.tw>

10. Record of Revisions

Record of Revisions		
Rev.	Date	Description of Change
PRELIMINARY	2022.05.31	Original Specification issued.
Ver1.0	2022.09.08	Add Optical channel configuration diagram of MPO-12..
Ver2.0	2025.04.23	Add 1.6T Transceiver modules output power measurement.