HILEY®

Display Introduction
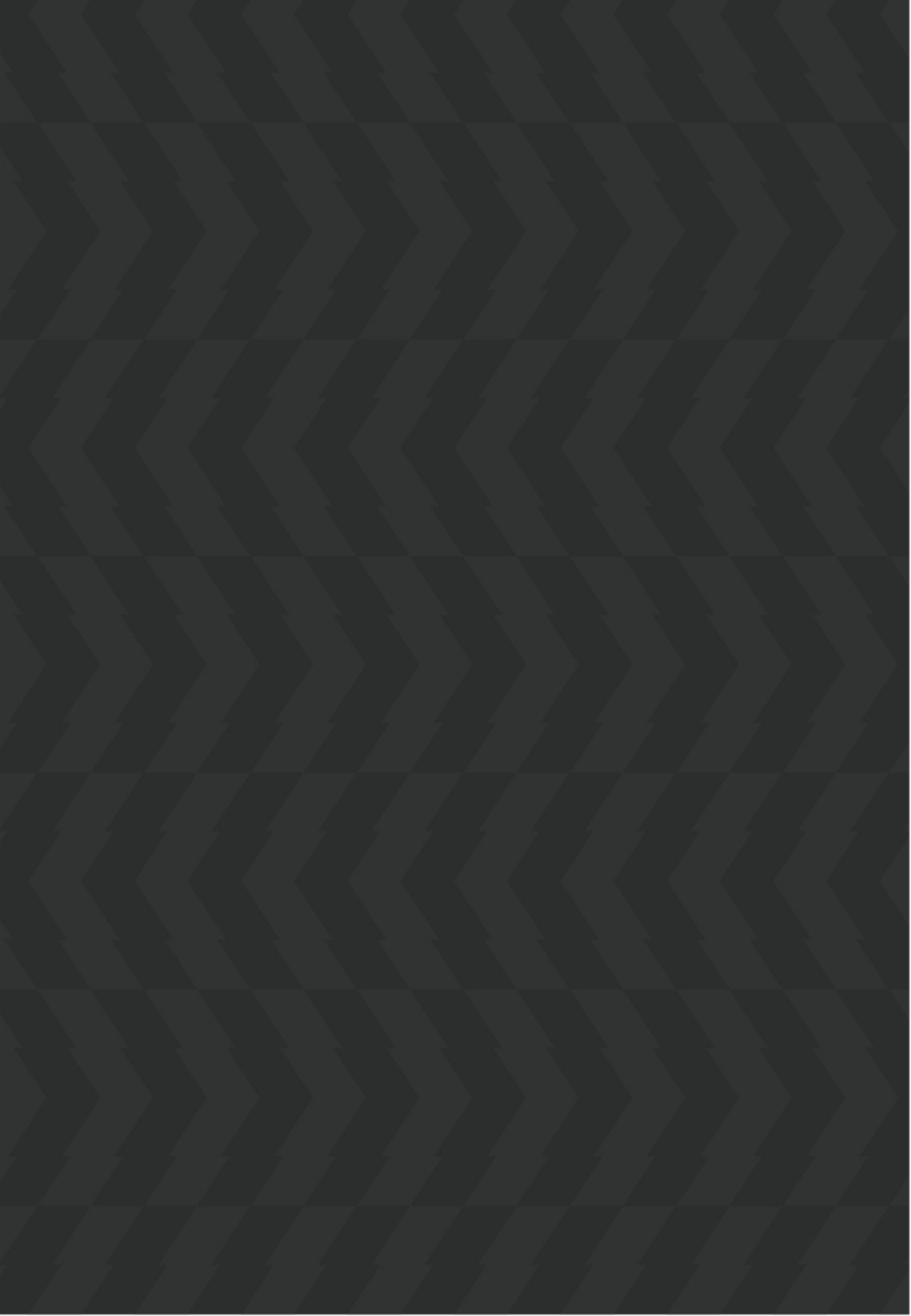
UKS6

UKS2

Table of Contents

SHEER RIDING PLEASURE

Display Introduction

1
Product Name:

Central Mounted LCD

2
Supplier:

Ningbo Hiley Technology Co.,Ltd

3 Specifications

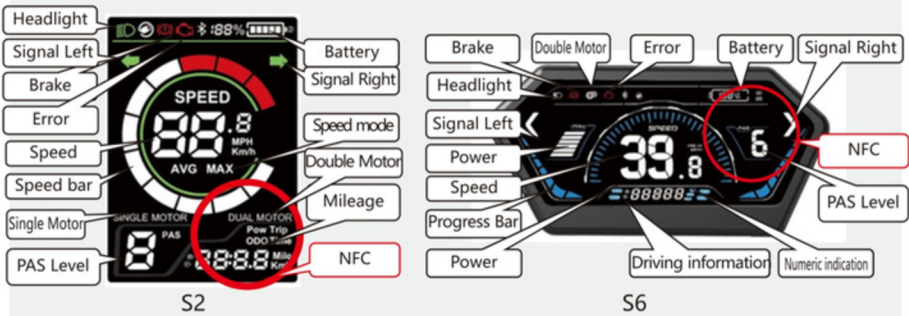| LCD screen |
|---|
| 48V/52V/60V power supply |
| Rated operating power : 1W |
| Max operating power : 5W |
| Off-state leakage current < 1μA |
| Current supplied to controller: 1000mA~3000mA |
| Operating temperature : -20~70℃ |
| Storage temperature : -30~80℃ |

4 Appearance, Size and Material

ABS product shell material: ABS
The screen is transparent tempered glass. Product holder is made from glass fiber mixed with nylon.

5

Explanation of Riding Interface

S2 Display Labels:
- Headlight
- Signal Left
- Brake
- Error
- Speed
- Speed bar
- Single Motor
- PAS Level
- Battery
- Signal Right
- Speed mode
- Double Motor
- Mileage
- NFC

SPEED .8 MPH Km/h AVG MAX
SINGLE MOTOR DUAL MOTOR
PAS Pow Trip ODO

S2

S6 Display Labels:
- Brake
- Double Motor
- Error
- Battery
- Signal Right
- Headlight
- Signal Left
- Power
- Speed
- Progress Bar
- Power
- NFC
- PAS Level
- Driving information
- Numeric indication

SPEED 39.8
88888

S6

5.1	Real time speed	Km/h or MPH
5.2	Battery indicator	Percent or voltage
5.3	Headlight	
5.4	Brake	
5.5	PAS level	**Level 0~5, 5=fastet**
5.6	Error	
5.7	Power	Power consumption bar during acceleration
5.8 / 5.9	Numeric indication	**TRIP:** Per trip distance **TIME:** refers to the current riding time **ODO:** Odometer **POWER:** The real-time power consumption during the riding **Temprature:** refers to the detected weather temperature. **Battery Voltage:** Battery voltage reading
5.10	Directional Signal	Signal right and left
5.11	Single/Dual motor mode	Dual motor mode (indicating) Single motor mode (no-indicating)
5.12	Front/rear-wheel motor status information	Displays the current power of the drive motor and any fault indications.

6 Explanation of button functions

6.1	Power ON/OFF	POWER ON : 1.Press and hold "POWER" button for 2-3 seconds until light up the power-on interface. 2.There are 2 ways to power on the scooter: ①Put NFC on the sensing area of the display screen. ②Put pass word (you can set by yourself) POWER OFF : There are 3 ways to power off the scooter: ①Put NFC on the sensing area of the display screen. ②Press and hold "POWER" button for 2-3 seconds until shutdown ③Automatic shutdown: If the display is not operated for a long period of time, it will automatically shut down according to the user-defined shutdown time (the factory default is 10 minutes).
6.2	PAS Level	0~5 level: Single-click "+"or "-" button to switch, 5=fastet Default Startup Gear: 0
6.3	Mileage & other numerical indicators	S6: Single-click the "M" button to switch; Will display these numerical indicators:Trip Mileage (TRIP) → Riding Time (TIME)→ Total Mileage (ODO) → Power Display (POW) → Temperature (℃)→Voltage(b). S2: Single-click the "Power" button to switch; Will display these numerical indicators:Trip Mileage (TRIP) → Riding Time (TIME)→ Total Mileage (ODO) → Power Display (POW) →Voltage.
6.4	Speed Mode Switch (*Only for S2 model)	Single-click the "M" button to switch: Real-time Speed (RT SPEED) → Average Speed (AVG SPEED) → Maximum Speed (MAX SPEED)
6.5	Light	Long press the "M" button to turn on / off the light
6.6	Single/Dual motor mode	S6: Long press the "+" button to switch Single/Dual motor mode. A dual-motor icon appears at the top of the display; If single-motor, will be no icon. S2: Long press the "+" button to switch Single/Dual motor mode.
6.7	Front/rear-wheel motor status information (*Only for S6 model)	Long press the "-" button to switch the front / rear wheel info
6.8	Temporary data clear	Press the "+" and "-" button at the same time to clear temporary data; includes maximum speed (MAX SPEED), average speed (AVG SPEED), trip distance (TRIP), and riding time (TIME).

S6 Setting MENU

Setting interface:
1.Double-click the "M" button to enter the parameter setting MENU interface. Px appears to indicate the setting option.
2.Click "+" or "-" to switch the different setting.

Setting options:
1.Click the "M" button, the corresponding setting value starts to blink.
2.Click the "+" or "-" to change the setting value.
3.Click the " M" button to confirm the changes
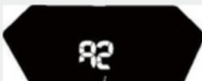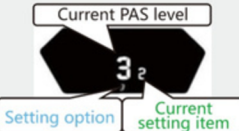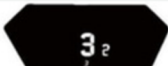4. Double-click the "M" button to exit the settings menu, return to main screen interface.
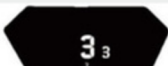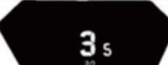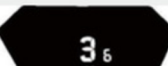
Parameter Setting instructions

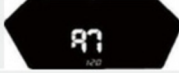|			
7.1	Screen Brightness	Adjust brightness from 1 to 5, 1= darkest , 5 =brightest. factory default setting is 4. *Refers to the luminous intensity of the LCD display, which can be adjusted for clarity and comfort under different lighting conditions.	P1
7.2	Auto Shutdown Time	Adjust time from 1–10 minutes; OFF =the auto shutdown function is disabled. factory default setting is 10. *Refers to the waiting period from when the scooter enters standby mode (typically after stopping and no user operation) until its power automatically turns off completely.	P2
7.3	KMPH/MPH Unit Switch	0 = the kilometer unit (KM/H); 1 = the mile unit (MPH) *Refers to using the legal speed unit in your region to ensure accurate judgment of speed, compliance with speed limits, and safety. Switching the unit will not change the actual performance of the scooter (such as top speed or range), only the displayed numbers.	P3
7.4	Cruise Mode	0=OFF; 1=ON/AUTO. factory default setting is 0. *Refers to speed cruise control. After reaching a certain speed and maintaining stable riding for a period, the system automatically maintains the current speed without requiring the user to continuously press the throttle.	P4
7.5	Battery Display Mode	0= voltage (V) mode; 1 = percentage (%) mode. factory default setting is 1. *Refers to the display method of the remaining battery power.	P5

S6 Advanced Setting instructions

	Enter advanced settings menu	To access advanced settings, press the "M" button to start entering the password. Click the "+" or "-" button to adjust the digits. Enter the default password "1111", then click "M" button again to confirm and enter the advanced settings menu.	A0 s ⬇ P5 0
7.6	Voltage (*Fixed parameter, don'tchange arbitrarily)	*refers to the matching voltage value for the purchased vehicle model. The default value is 52V/60V/72V (*Incorrect settings will restrict vehicle use; please maintain the factory default values).	A1

		Refers to adjusting the detailed parameters for each gear level. (*It is recommended to keep the factory default settings. Any modifications to enhance performance must be performed by highly qualified professionals.)			R2
		Option: Click the "M" button to enter settings. Use the "+" or "-" button to set the currently selected gear. Clicking the M button again will enter the gear parameter settings sub-interface. Long press the "power" button to exit the selection. Gear levels 1~5, Example: Currently adjusting the parameters for gear 3.			Current PAS level · 3₂ · Setting option / Current setting item
7.7	Gear parameter settings sub-interface	1	Speed Limit Percentage (%)	Refers to the percentage settings for the speed limit modes at each gear level.	3₁
		2	EABS Intensity	Refers to the braking intervention level of the Electronic Assisted Braking System.	3₂
		3	Front Drive Start Intensity	Refers to the electronic setting that controls the smoothness of power output from the front-wheel motor when starting from a standstill.	3₃
		4	Rear Drive Start Intensity	Refers to balancing acceleration response with the risk of wheelies or fishtailing during the initial start moment.	3₄
		5	Front Drive Current Limit	Refers to the maximum allowable operating current for the front drive motor.	3₅
		6	Rear Drive Current Limit	Refers to the maximum allowable operating current for the rear drive motor.	3₆
7.8	Speed Limit Percentage		Refers to the adjustable speed limit ratio, calculated as: Speed Limit / Max Speed × 100%. (This formula is for theoretical reference only. Actual settings may vary depending on battery power. Please rely on the final adjusted values.)		R3
7.9	EABS Switch Setting		0 = EABS Off, 1 = EABS On factory default setting is 1. Refers to whether electronic assisted braking system intervention is required.		R4
7.10	Wheel Diameter (*Fixed parameter, don't change arbitrarily)		Refers to the tire diameter matched to this vehicle model.		R5
7.11	Speed Sensor Magnet (*Fixed parameter, don't change arbitrarily)		factory default setting is 30. Refers to detect wheel rotation speed in real-time, enabling calculation of speed and travel distance.		R6
7.12	Over-Temperature Protection Value		factory default setting is 120. Refers to the maximum safe operating temperature value for the scooter during normal use.		R7
7.13	Start Mode		0 = Zero-start (motor activates directly) 1 = Non-zero-start/kick start (requires foot assistance to begin moving) *This refers to whether the scooter needs to be given an initial speed (by pushing off the ground) before the motor can start.		R8

| 7.14 | Export Mode Switch | 0= OFF, 1= ON
factory default setting is 0.
This refers to complying with the legal requirements of most export destination countries.
Once the export function is ON, it will force a non-zero startup, and the speed limit will be set to 25%. | A9 |

S6 Other Setting instructions:

7.15	FAC - Factory Reset	OFF = Do not restore factory settings, RES = Restore factory settings Refers to resetting all vehicle parameters to their original factory default settings. This process will clear all user-defined settings. (*If you forget the custom password, you can reset it here)	FAc OFF
7.16	Password Setting Switch	OFF =No password ON=Enable password factory default setting is ON. This allows you to set a numerical password for the vehicle. Each time you power on the vehicle, you can either enter the correct password to start it, or use the NFC card to power it on directly. (The factory default password is a 4-digit number, "1111")	PIn
7.17	Reset new Password	The interface of setting a new password. Operation: 1.With the password switch ON, click the "-" key, then click the "M" key to set a new numeric password. 2.Click the "M" key to switch to the next digit of the password. 3. After setting all digits, click the "M" key to confirm the change. 4.Upon success, "SUCCE" will appear, indicating that the power-on password has been successfully reset. 5. Double-click the "M" key to return to the main menu.	PAs ON PAs

S2 Setting MENU

Setting interface:
1.Double-click the "M" button to enter the parameter setting MENU interface. Px appears to indicate the setting option.
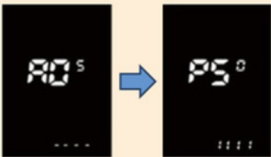2.Click "+" or "-" to switch the different setting.

Setting options:
1.Click the "M" button, the corresponding setting value starts to blink.
2.Click the "+" or "-" to change the setting value.
3.Click the " M" button to confirm the changes
4. Double-click the "M" button to exit the settings menu, return to main screen interface.

S2 Parameter Setting instructions

8.1	Screen Brightness	Adjust brightness from 1 to 5, 1= darkest , 5 =brightest. factory default setting is 4. *Refers to the luminous intensity of the LCD display, which can be adjusted for clarity and comfort under different lighting conditions.	P1 s
8.2	Auto Shutdown Time	Adjust time from 1–10 minutes; OFF =the auto shutdown function is disabled. factory default setting is 10. *Refers to the waiting period from when the scooter enters standby mode (typically after stopping and no user operation) until its power automatically turns off completely.	P2 9
8.3	KMPH/ MPH Unit Switch	0 = the kilometer unit (KM/H); 1 = the mile unit (MPH) *Refers to using the legal speed unit in your region to ensure accurate judgment of speed, compliance with speed limits, and safety. Switching the unit will not change the actual performance of the scooter (such as top speed or range), only the displayed numbers.	P3 0
8.4	Manual / Automatic Gear Switch	0=MANUAL; 1=AUTO. factory default setting is 0. *Manual mode means actively selecting a fixed gear using the "+" and "-" buttons. Automatic gear shifting means the system automatically detects the current riding conditions and switches between different gear without requiring the rider to press any buttons.	P4 0

S2 Advanced Setting instructions:

Enter advanced settings menu:
To access advanced settings, press the "M" button to start entering the password.
Click the "+" or "-" button to adjust the digits.
Enter the default password "1111", then click "M" button again to confirm and enter the advanced settings menu.

A0 s → P5 0

8.5	Voltage (*Fixed parameter, don't change arbitrarily)	*refers to the matching voltage value for the purchased vehicle model. The default value is 48V/52V/60V (*Incorrect settings will restrict vehicle use; please maintain the factory default values).	A1 24

S2 Setting MENU

Option:
*Long-press the "+" and "-" buttons at the same time to enter the sub-settings interface.
*Use the "+" or "-" button to set the currently selected gear.
*Click the "M" button will enter the gear parameter settings sub-interface. (L1~L6)
*Click the "M" button again, and use "+""-" to change the setting value.
*Long press the "power" button to return to gear selection interface.
Gear levels 1~5, Example: The current legend shows that the rear-wheel drive starting intensity (L4) in gear 1 is 1.

Set options Numerical indicationClick the M key to select the flash, press the plus/subtract key to set the value of the gear, and click the M key to exit the selection after the adjustment is completed

The gear indication is currently set

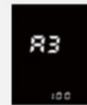|				
8.6	A2 - Gear parameter settings sub-interface	Speed Limit Percentage (%)	Refers to the percentage settings for the speed limit modes at each gear level.	L1
		EABS Intensity	Refers to the braking intervention level of the Electronic Assisted Braking System.	L2
		Front Drive Start Intensity	Refers to the electronic setting that controls the smoothness of power output from the front-wheel motor when starting from a standstill.	L3
		Rear Drive Start Intensity	Refers to balancing acceleration response with the risk of wheelies or fishtailing during the initial start moment.	L4
		Front Drive Current Limit	Refers to the maximum allowable operating current for the front drive motor.	L5
		Rear Drive Current Limit	Refers to the maximum allowable operating current for the rear drive motor.	L6
8.7	Wheel Diameter (*Fixed parameter, don't change arbitrarily)	Refers to the tire diameter matched to this vehicle model.		A3
8.8	Speed Sensor Magnet (*Fixed parameter, don't change arbitrarily)	factory default setting is 30. Refers to detect wheel rotation speed in real-time, enabling calculation of speed and travel distance.		A4
8.9	Start Mode	0 = Zero-start (motor activates directly) 1 = Non-zero-start/kick start (requires foot assistance to begin moving) *This refers to whether the scooter needs to be given an initial speed (by pushing off the ground) before the motor can start.		A5
8.10	Cruise Mode	0=OFF; 1=ON/AUTO. factory default setting is 0. *Refers to speed cruise control. After reaching a certain speed and maintaining stable riding for a period, the system automatically maintains the current speed without requiring the user to continuously press the throttle.		A6
8.11	EABS Switch Setting	0 = EABS OFF, 1 = EABS ON factory default setting is 1. Refers to whether electronic assisted braking system intervention is required.		A7

S2 Setting MENU

8.12	Over-Temperature Protection Value	factory default setting is 120. Refers to the maximum safe operating temperature value for the scooter during normal use.	AB 120
8.13	Export Mode Switch	0= OFF, 1= ON factory default setting is 0. This refers to complying with the legal requirements of most export destination countries. Once the export function is ON, it will force a non-zero startup, and the speed limit will be set to 25%.	A9 1

S2 Other Setting instructions:

| 8.14	FAC – Factory Reset	OFF = Do not restore factory settings, RES = Restore factory settings Refers to resetting all vehicle parameters to their original factory default settings. This process will clear all user-defined settings. (*If you forget the custom password, you can reset it here)	FAc OFF ⇒ FAc RES
8.15	P0p→P01 - Password Setting Switch	OFF =No password ON=Enable password This allows you to set a numerical password for the vehicle. Each time you power on the vehicle, you can either enter the correct password to start it, or use the NFC card to power it on directly. (The factory default password is a 4-digit number, "1111")	POp ---- ⇒ POp 1111 ⇒ P01 on
	P02 - Reset new Password	The interface of setting a new password. **Operation:** With the P01-password switch ON (in blinking state), click the "+" button, then enter P02 interface. Click the "M" button to start set a new password. Use the "+" or "-" button to switch to the next digit of the password. After setting all digits, click the "M" button to confirm the change.	P02 APSO

Error Code Definition

Displaycan provide error indication for vehicle faults. When a fault is detected, the LCD screen displays an icon, and the error code and error description are displayed at the top of the screen. Please refer to the error description in the instrument display area.

Error code
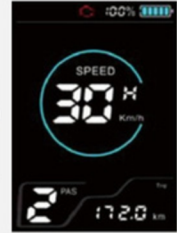
The status bar at the bottom of the screen indicates whether the current viewing is front wheel drive or rear wheel drive. When there is an error in the current drive, the speed area displays an error code flashing
If there is a fault in another driver, the driver icon will flash.

| 07H/30H	Instrument communication failure (data error or failure to receive data)
80H	Over temperature protection (high temperature)
40H	Communication failure (controller not receiving instrument data)
2 0H	Controller malfunction
1 0H	Under voltage protection
08H	Turnaround malfunction
02H	Hall fault
01H	Motor phase loss fault

10 Assembly Instructions

Please pay attention to the screw's torque value. Damage caused by excessive torque are not covered by the warranty.

M3*8mm

M3*12mm

M3*12mm

M4*8mm

M3*8mm

Clamps are suitable for 3 sizes of handlebar, 31.8mm, 25.4mm, and 22.2mm. Users can choose it as needed. Handlebar of 25.4mm and 22.2mm must be assembled with the corresponding adapter rings. Pay attention to the blue arrow below.
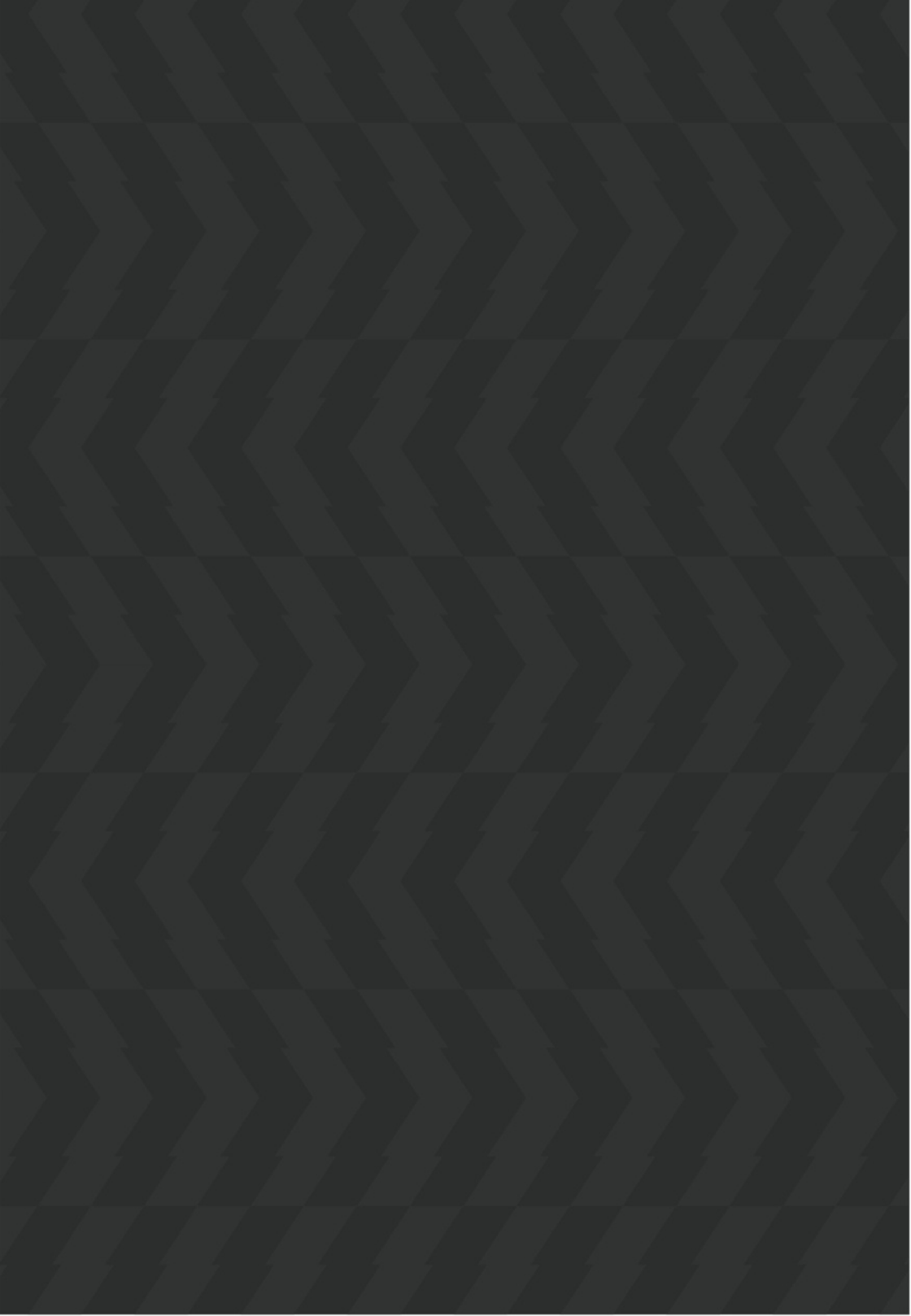
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**SHEER RIDING
PLEASURE**

Social media