FEIYUE/Tarot 4-Stage Thrower TL6103 Instruction Manual

Product Description:

• Tarot's 4-stage thrower is equipped with a dedicated remote control in the 433mhz band, supporting two-way signaling feedback in both the released and closed states;

• CNC machined from 6063 aircraft aluminum and 304 stainless steel;

• The structure of the thrower adopts the design principle of mechanical leverage, which can reduce the output power required by the drive mechanism;

• Compact size of the throwing device and the articulation of the levers do not jam due to the weight of the load;

• The upper Unit of the thrower adopts the press-type quick release structure design, the thrower can be widely used in emergency rescue, material delivery and other work.

Product Features:

Simple operation, power on and ready to use;
Full metal body, simple and atmospheric appearance, sturdy and durable;
Product press type quick release structure design, quick release and quick install;
Support disorderly indepterminalent single throw, one key full throw;
Signal transceiver distance up to 5km;
Throwing and closing status with two-way signaling light feedback;
Maximum 20 kilograms for a single throw, 80 kilograms total throw load;
Product weight 600g.

Product Parameters:

/Air Unit (thrower)
Input voltage: DC 10V-27V
Load weight: 20KG*4 sections, total 80KG max load
Signal distance: 5KM ± 10%
Control band: 433Mhz
Weight: 600g
Size: 72*63*72

/Ground Unit (handheld remote control)
Input voltage: Built-in lithium battery 1200mAh
Charging method: Type-C, 5V/1A charging
Signal distance: 5KM ± 10%
Control band: 433Mhz
Weight: 117g
Size: 164**55*18

In-depth expansion: If you have other specific functional needs and development, you can contact us to customize.

Patent authorization:

The State Intellectual Property Office has granted WENZHOU FEIYUE AVIATION TECHNOLOGY CO.,LTD a patent for this product (Patent No. ZL 2022 2 1377634.5).

Product Specifications:

4-stage thrower ×1
Specialized remote control ×1

Signal Indicator Light
Power Indicator Light
Frequency Response Button
#1-4 Four Throw
Corresponding Buttons
#5-7Button，Reserved Channel
Red light on
#*Button，One Click All Throw
Band DIP Switches
#8 Lock Button
Type-C Charge
5V/1A
Power
Switches

Ground Unit (handheld remote control)		
Initial Boot	Signal Indicator Light	Air Unit (thrower) not powered on
	Signal Indicator Light Power Indicator Light / #1-7 key lights all off #8 key Red light on	Locked mode (default is the state before the last power off)
Signal Indicator Light	Blue light on	Air Unit (thrower) is on and signal connection is normal
	Red light on	Air Unit (thrower) not on, or signal lost
Power Indicator Light	Blue light on	Remote control is fully charged (60% or more power)
	Red light on	Remote control power is low (30%-60% power)
	Red light flashing	Remote control power is low (0-30% power)
Button Indicator Light/#1-4 Four Throw Corresponding Buttons	Lights out	1.Remote control not turned on; 2.Remote control lock mode; 3.Air Unit (thrower) not powered on
	Red light on	The Air Unit (thrower) has been turned on successfully and the corresponding throw channel is initially open.
	Green light on	The Air Unit (thrower) has been turned on successfully and the corresponding throwing channel is operated to the closed state.
	Orange light on	Execute a throw channel whose current state is closed.(Green light on)Open Throw，The throw channel is open after a successful throw.(Feedback is Orange light on)
	Green light flashing Red light flashing	Thrower corresponding to the channel throw error fault light
Button Indicator Light/#5-7 reserved channel	Lights out	1.Remote control not turned on; 2.Remote control lock mode; 3.Air Unit (thrower) not powered on

	Red light on	Reserved channel, routinely illuminated, without any corresponding meaning
Button Indicator Light/#8 Lock Button	#8Red light on #1-7 Any light on	When any of the #1-7 lights up( ) Button #8 is unlocked
	#8Red light on #1-7 lights out	**Remote control locked status, press any key is invalid** 1.Remote control timeout 1 minute without any operation, automatically enter the lock state, button #8 Red light on; 2.Manually press the #8 button for 5 seconds without releasing it to actively enter the lock state; 3.Press the #8 button again for 5 seconds without releasing it to unlock it and restore the previous one
Button Indicator Light/#* One click all throw button	Always lights out.	One click all throw button, click once to throw the thrower in all 4 throw channels

Throw Indicator Light
Frequency Response Button
Signal Indicator Light
L PUSH
S PUSH

XT30/3S-6S(12V-27V)
Power Switches
L PUSH
S PUSH

Air Unit (thrower)		
Signal Indicator Light	Blue light on	Normal signal connection with Ground Unit (handheld remote control)
	Red light on	No connection or loss of signal to the Ground Unit (handheld remote control)
Channel Indicator Light/#1-4 Four Throw Corresponding Indicator Light	Lights out	Thrower not energized
	Red light on	The Ground Unit (handheld remote control) has been successfully turned on and the corresponding throwing channel is open.
	Blue light on	Corresponding throwing channel is closed
Button Indicator Light/#5-8 reserved channel	Lights out	Thrower not energized
	Red light on	Reserved channel, routinely illuminated, without any corresponding meaning

Pairwise frequency matching operation

一. Pairing of the two Units

Two-way pairing requires one Air Unit (thrower) and one Ground Unit (handheld remote) device

Power on the thrower and the handheld remote control, take a sharp probe and press the pairing key of the thrower and the handheld remote control at the same time, after successful pairing, the signal Indicator Light of both the thrower and the handheld remote control will show Blue light on, pairing is successful.

二. Pairing of the three Units

Three-Unit pairing requires one sky-Unit (thrower), two ground-Unit (handheld remote) devices

The two hand-held remote control "band dial switch" were dialed to one up and one down, and then the thrower and the two hand-held remote control energized, take a sharp probe, and at the same time press the thrower and the two hand-held remote control of the pair of frequency keys, pairing is successful, after the thrower and the two hand-held remote control of the signal Indicator Light are After successful pairing, the signal Indicator Light of both the thrower and the two handheld remote controllers will be displayed as Blue light on, pairing is successful.