

USER MANUAL

easyFetti CL21

V1.0

2026/01/04

SHOWVEN®



SHOWVEN Technologies Co., Ltd

Thanks for choosing SHOWVEN easyFetti, we wish it will bring you lots of exciting moments. Please read the following user's manual carefully before operating this product.

▲ Safety Instructions

1. Safety icons explanation

Safety instructions warn of hazards when handling equipment and provide information on how to avoid those hazards. They are classified according to the severity of the hazard and are divided into the following groups. Please do follow all safety instructions in this document!

DANGER: Indicates a hazardous situation that, if not avoided, will result in death or serious injury. (This signal word is limited to the most extreme situations).

WARNING: Indicates a hazardous situation that, if not avoided, could result in serious injury.

CAUTION: Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE: Provide additional or supplementary information.

2. General Safety Instructions

- ⚡ Unauthorized repair are prohibited, it may cause serious incident.
- ⚡ Make sure power supply is consistent with the rated voltage of the equipment, and the socket must be well grounded. Unplug and turn off the machine when not use.
- ⚡ Please pay attention to the use environment and safety distance, check this manual for details.
- ⚡ After turning on the device, no person allows to stay in the danger area. Ensure all persons that are part of the show be informed about the safety distance, risks and functions of the device.
- ⚡ Always have a CO₂ fire extinguisher and an extinguishing blanket in case of needed.
- ⚡ If there be any doubt as to the safety operation of the device, the device should be taken out of service immediately. Check the power switch, cable connections and power plug carefully. If you can't solve it, please always contact SHOWVEN (info@showven.cn) for help.
- ⚡ Use only SHOWVEN original easyFetti Cannon, otherwise, may leads to failure or danger.
- ⚡ The operator responsible for the control of easyFetti must always have a clear view of the device, so that he/she can stop the show immediately when there is danger. The main AC power switch should be near operator. So that operator can turn off the power of all devices in case of abnormal.
- ⚡ The device shall not be altered and applied to other use purpose.

3. Disclaimers:

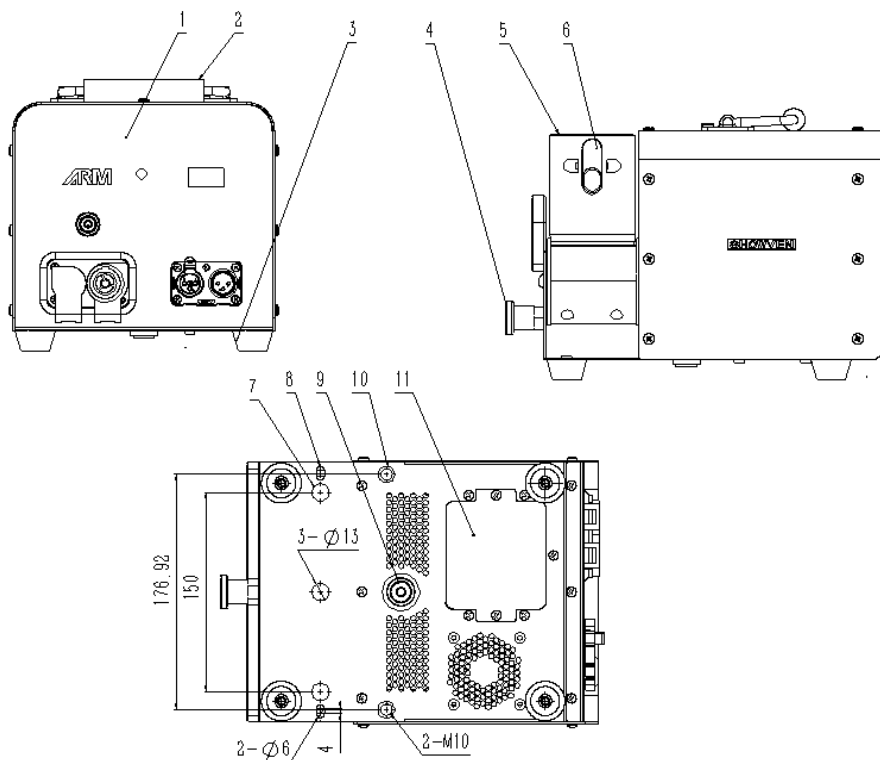
SHOWVEN technologies Co., Ltd excludes liability for unsafe situations, accidents and damages resulting from:

1. Ignoring warnings or regulations as shown on product manual or this manual.
2. Use for other applications or circumstances other than those indicated herein.
3. Changes to the device, including use of non-original spare parts, lack of maintenance etc.
4. Dismantling device without authorization from SHOWVEN.
5. Use this machine by unqualified or untrained personnel.
6. Improper use of machine.

▲ Technical Specifications

- \\ Dimension: 285×197×192mm
- \\ Weight: 9.3kg
- \\ Input: AC100-240V, 50/60Hz
- \\ Work Power: 200W
- \\ Interface: Color touch screen
- \\ ARM Indicator Light: Yes
- \\ Control: DMX , wireless remote control
- \\ DMX: 3-pin DMX IN / OUT
- \\ Battery Powered Design: Yes, 4pcs 18650 cells (battery not included)
- \\ Standby Time: 8h, 20-35 shots. Battery only support firing, can't pressurize
- \\ Output Direction: 0°~ 180° (13 adjustable angles)
- \\ Pressure Rebuilt Time: Appr. 30s
- \\ Consumable: SHOWVEN easyFetti Cannon
- \\ Encloser Material: 304 Stainless steel

▲ Structure



1. Control Panel
2. Handle
3. Foot
4. Angle Knob
5. EasyFetti Cannon Holder
6. Cannon Release Button
7. Screw Hole 3×Ø13
8. Hole for Safety Rope 2×Ø6
9. Pressure Tank Drain Plug
10. Clamp Hole 2×M10
11. Battery Box

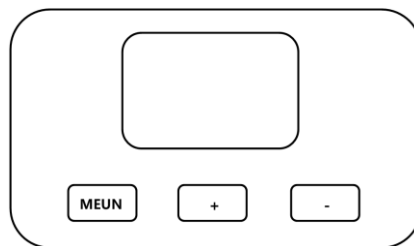
△ Rear Panel



1. Power Switch
2. Power IN/OUT
3. 3-pin XLR IN/OUT
4. Arm Indicator Light
5. LED Screen
6. Ready Indicator Light

△ Display and setting

1. Button Function



MENU: Switch to different setting parameters

+: parameters up and save

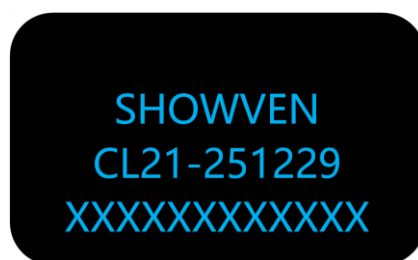
-: parameters down and save

2. ARM and Ready indicator light



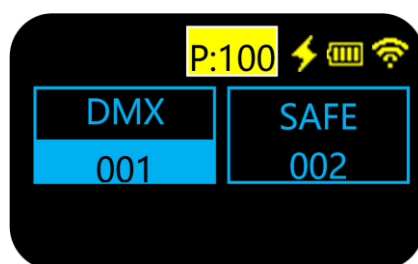
Indicator Light	Status	Description	Remark
ARM	OFF	DMX signal input	Operators can enable/disable the ARM indicator light by set the "ARM STATE" in Advanced menu.
	BLINK	DMX armed or wireless ON	
	ON	not in above status (No DMX signal and Wireless OFF)	
READY	OFF	No easyFetti cannon detected	EasyFetti shot ready to fire only when easyFetti cannon was detected. EasyFetti cannon will out of work after firing, and READY indicator light blinks.
	BLINK	EasyFetti cannon already fired	
	ON	EasyFetti cannon detected	

3. Welcome Interface



Manufacturer	SHOWVEN
Software Version	CL21-251229
Serial Number	*****

4. Main Interface



1. Status bar, 4 icons may appear in status bar

Pressure: background color turn from black to yellow when pressure reached setting pressure.

Charging icon: ⚡ appears when easyFetti is charging.

Battery Volume Icon: below 12V "🔋"; 12V-13.1V "🔋"; 13.2V-14.3V "🔋";

14.4V-15.5V "🔋"; above 15.5V "🔋"; no battery "🔋".

Wireless Icon: 📶 means wireless on.

2. Data bar

DMX: DMX address, Background turns from BLACK to BLUE when DMX connected.

SAFE: Safety address, Background turns from BLACK to BLUE when DMX cable was connected and safety channel activated.

3. Message bar

1) "Pump Working" means pump start to pressurize.

2) "Confetti Failure" means easyFetti cannon is already used or not work.

3) Error message displays alternatively if there are several messages. Main interface switch to firing

icon 🚬 when device is under firing status.

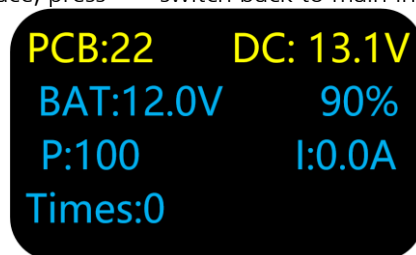
NOTICE: Firing is allowed only when pressure is above 90% of setting pressure.

5. Error/Alert Message

Error / Alert Message	Why it appears	How to remove
E0 Factory Mode	Factory mode	Switch to User mode
E1 Pressure Err	Pressurize time exceed system default setting time but still can't reach target pressure	Restart machine
E2 Press Sensor	Pressure sensor damage or disconnected	Check the pressure sensor and restart machine
E3 Relief Err	Pressure is still high after firing	Restart machine
E4 PTemp.Over	PCB temp. abnormal	Wait machine to cool down
E5 Voltage Err	Battery voltage lower than 12V	Charge for the battery

6. Monitor Interface

Press “-” can enter monitor interface, press “-” switch back to main interface.



First Line: PCB board temp. and DC voltage.

Second Line: Battery voltage and battery volume percentage.

Third Line: Present pressure and compressure pump current.

Fourth Line: Accumulated firing times.

7. Main Menu

Press “MENU” to enter “MENU” interface, press “MENU” switch to different items.

Items	Contents	Default	Description
DMX Address	1-512	1	Device DMX address
Safety Address	1-512	2	Safety DMX address
Safety Level	76-120 102-153 127-178 153-204 178-255	102-153	Safety channel value when device enabled
Wireless Remote	ON/OFF	OFF	Wireless ON/OFF setting, match between device and remote controller when device under this interface
RDM	ON/OFF	OFF	RDM function ON/OFF setting

8. Advanced Interface

Press and hold “MENU” enter advanced interface, press “MENU” switch to different items, press and hold “MENU” exit advanced interface.

Items	Contents	Default	Description
Test	OFF / Jet Valve / Pump / ARM / LED	OFF	Drive test
ARM State	ON/OFF	ON	ARM indicator light ON/OFF setting
Language	中文/English	English	Language switch
Jet Time	1.0S-5.0S	2.0S	Jet valve open duration
Key Lock	ON/OFF	OFF	ON: Keypad button will disable if there is no operation in 30s. restart machine to active keypad button.
Auto Pumping	ON/OFF	ON	ON: Auto pressurize when device power on OFF: Pressurize when safety channel activated
DefaultParameter	ON/OFF	OFF	Reset default parameter settings

▲ DMX Control

easyFetti occupies 1 functional channel CH-1 and 1 separate safety channel CH-S (this channel is independent from functional channel, can be shared with other machine).

Channel	Function	Value
CH-1	Firing	0~253: NO output (JET valve close) 254~255: Fire (JET valve open)
CH-S	Device enable / disable	0~ 101 and 154~255: Device disabled 102~153: Device enabled Value changes according to safety level setting.

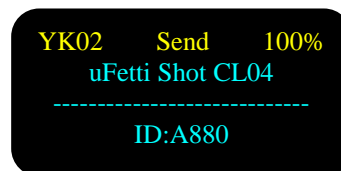
▲ Wireless Remote Control

1. FXmote (optional item, P/N: FPSPA112)

When use remote controller FXmote, please disconnect DMX cable connection on easyFetti Shot, set machine "Wireless Remote" to ON status. Match easyFetti Shot with FXmote by Press "SET" on FXmote when machine at Wireless Remote interface.



2. FXmote main interface



First Line: shows the wireless module remote use and battery voltage, when sending signal it will shows "send".

Second Line: receiver model name.

Third Line: wireless ID information.

3. Menu

Press to switch between different items.

Items	Contents	Default	Description
ID	A880, 88A4, A8A2, AABB, 0002	A880	ID selection
Auto Sleep	ON / OFF	ON	Auto sleep function setting

4. Key function

MENU: switch between different menu items.

+: Parameters Up.

-: Parameters Down.

SET: pairing between FXmote and receiver easyFetti shot.

1-2: Output 1 and 2 firing together (CL24).

3-4: Output 3 and 4 firing together (CL24).

1: Output 1 firing (CL24).

2: Output 2 firing (CL24).

3: Output 3 firing (CL24).

4: Output 4 firing (CL24).

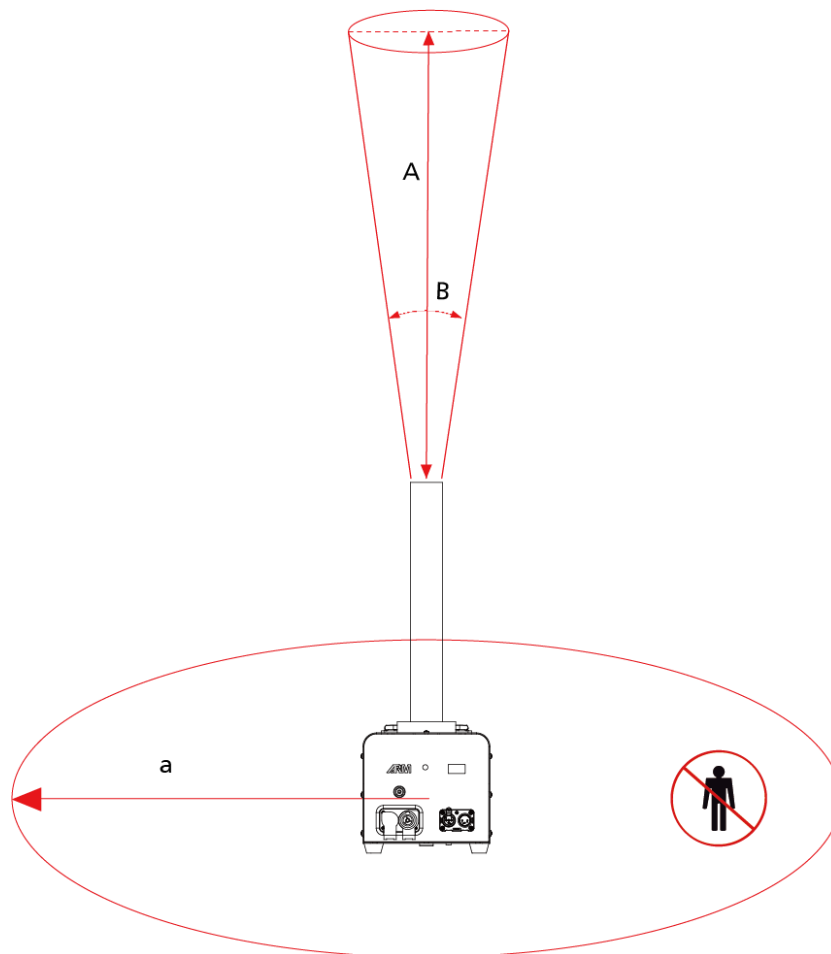
1-4: All 4 output firing together (CL24).

FIRE: All output firing together.

▲ Operation

1. Safety instructions

- DANGER:** Make sure that confetti cannot come into contact with high-voltage lines/power pylons, as this can result in electrocution.
- WARNING:** Use of a damaged or improperly installed machine could result in death, serious injury, or property damage. Always inspect the machine thoroughly before operating it.
- WARNING:** Do not use the easyFetti if alterations have been made other than by or on behalf of SHOWVEN.
- WARNING:** Make sure there are no objects that can be damaged by the machine within the output distance. And no people or animals are allowed to stay in the direct output.
- WARNING:** The red cone area shown in below picture is the safe isolation range of this product, and unauthorized persons or objects are strictly prohibited from entering. $A=18m$, $B=30^\circ$, $a=4m$.



- WARNING:** Make sure nobody stays in the isolation area after easyFetti armed, it may cause serious injury or even death.

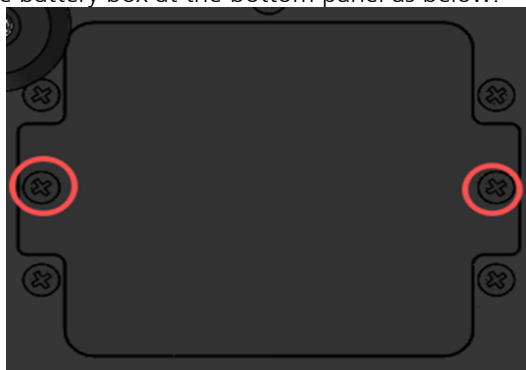
2. Battery installation (if operator prepared the 18650 batteries)

easyFetti can be powered through 4 pcs of 18650 cells (not included in the machine package). New easyFetti come only with battery compartment, customer need to get 18650 cells locally. The battery we suggest to use is with flat head as below:

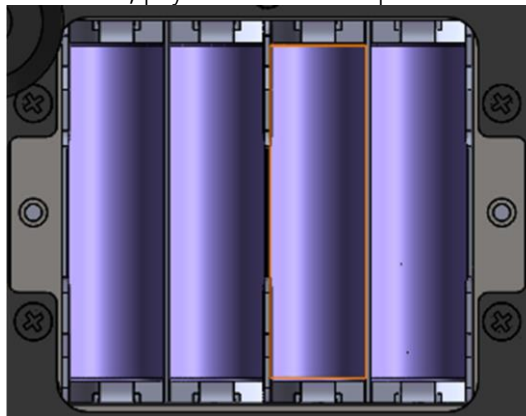


The battery installation steps:

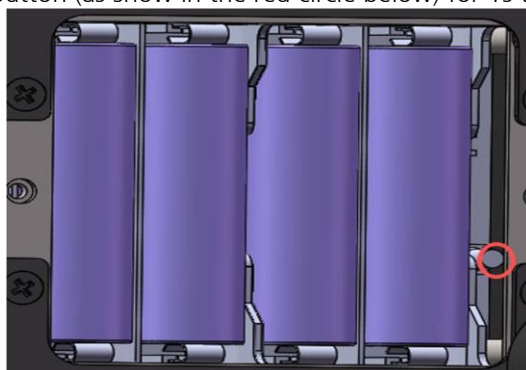
a) Unscrew the screws of the battery box at the bottom panel as below.



b) Install the battery in correct direction, pay attention to the positive and negative pole.



c) Press and hold the reset button (as show in the red circle below) for 1s to activate battery.



d) Install back the battery box plate.



e) Charging: charging automatically when machine connected with AC power supply (no matter machine was powered on or not).

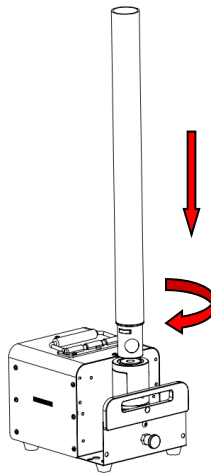
WARNING: Install the battery with reverse polarity may cause short circuit, resulting in fire or explosion risk.

NOTICE: To avoid the damage of battery, charge the battery at least once per month.

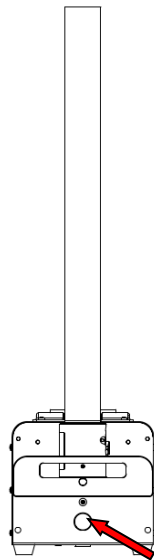
NOTICE: 18650 battery activation is necessary whenever install the battery.

3. Install easyFetti

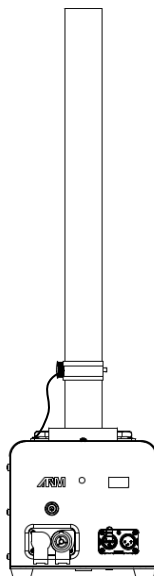
3.1 Bring the machine to desired location. Put easyFetti cannon to the cannon holder and turn the cannon clockwise, a "click" sound means it's assembled correctly.



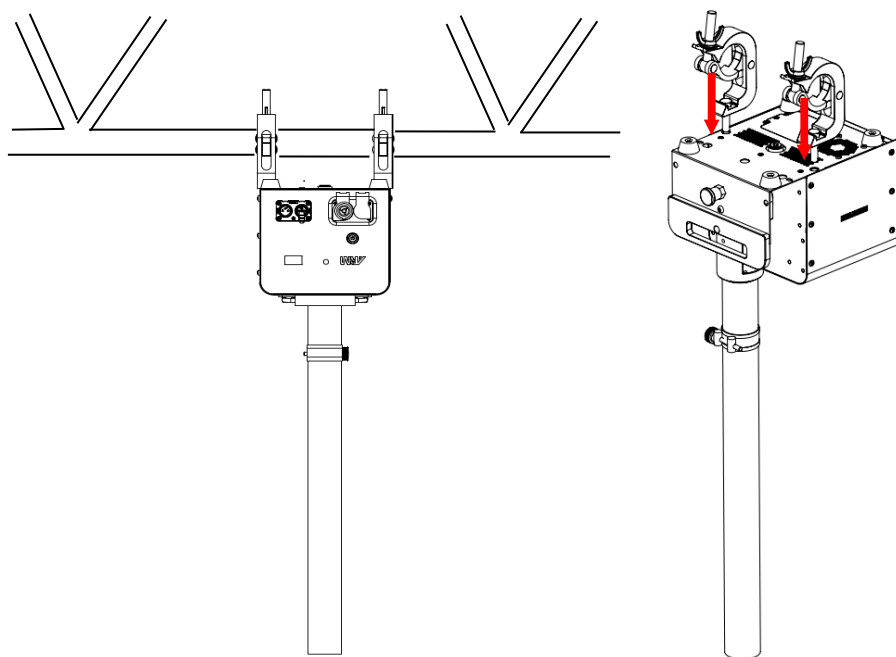
3.2 Adjust the output angles.



3.3 Install the safety rope



3.4 Clamp installation when installed on truss.



4. Power and DMX cable connection

- Connect a power cable to the POWER IN socket of easyFetti. Connect the other end of power cable to the power source. Make sure power supply is consistent with the rated voltage of the equipment, and the socket must be well grounded. Or use battery if installed battery inside.
- Power ON easyFetti, easyFetti will pressurize automatically if "Auto Pumping" setting is "ON", otherwise pressurize starts when safety channel is armed.

DMX control, Please follow below steps:

- Connect a DMX cable to the DMX IN socket of first unit of easyFetti, another head of this DMX cable connect to DMX console (such as FXcommander). Make sure the DMX console is powered off.
- Connect a DMX cable to the DMX OUT socket of previous easyFetti, and the other end to the DMX IN of next machine. Connect all devices in series in this way.
- Suggest to plug in a DMX terminator into the DMX OUT in last unit of machine to improve signal reliability. For distance >200m please use SHOWVEN DMX splitter 8 to amplify the signal.
- Assign DMX address for each unit of easyFetti. If use SHOWVEN host controller or FXcommander to control the machine please allocate a unique DMX address for each unit of machine.
- Power ON DMX console

5. Firing

Double confirm the prescribed safety isolation zone is clear, no person, animal or other property within this region.

- Activate the safety channel and enable device, the ARM indicator light blinking.
- Set the DMX value for the effect channel between 240-255 to firing or use SHOWVEN FXbutton or FXcommander to firing.

Max. Output distance

easyFetti cannon 80 with confetti rectangles output distance of 15m, and streamers output distance of 20m. ($\alpha=50^\circ$).

6. Power OFF and clean up

- Run the jet valve in test interface to release the pressure.
- Power OFF easyFetti, disconnect power and/or DMX cables.
- Return the cannon holder to vertical up direction.

▲ Warranty Instructions

- \\ Sincere thanks for your choosing our products, you will receive quality service from us
- \\ The product warranty period is one year. If there are any quality problems within 7 days after shipping out from our factory, we can exchange a brand new same model machine for you
- \\ We will offer free of charge maintenance service for machines which with hardware malfunction (except for the instrument damage caused by human factors) in warranty period. Please don't repair machine without factory permission

Below situations NOT included in warranty service:

- \\ Damage caused by use unqualified consumables;
- \\ Damage caused by improper transportation, usage, management, and maintenance, or damage caused by human factors;
- \\ Disassemble, modify or repair products without permission;
- \\ Damage caused by external reasons (lightning strike, power supply etc.)
- \\ Damage caused by improper installation or use;

For product damage not included in warranty range, we can provide paid service.

Invoice is necessary when applying for maintenance service from SHOWVEN

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