

AI-6C

# OPTICAL FIBER FUSION SPLICER



Six  
motors



Core  
alignment

8s

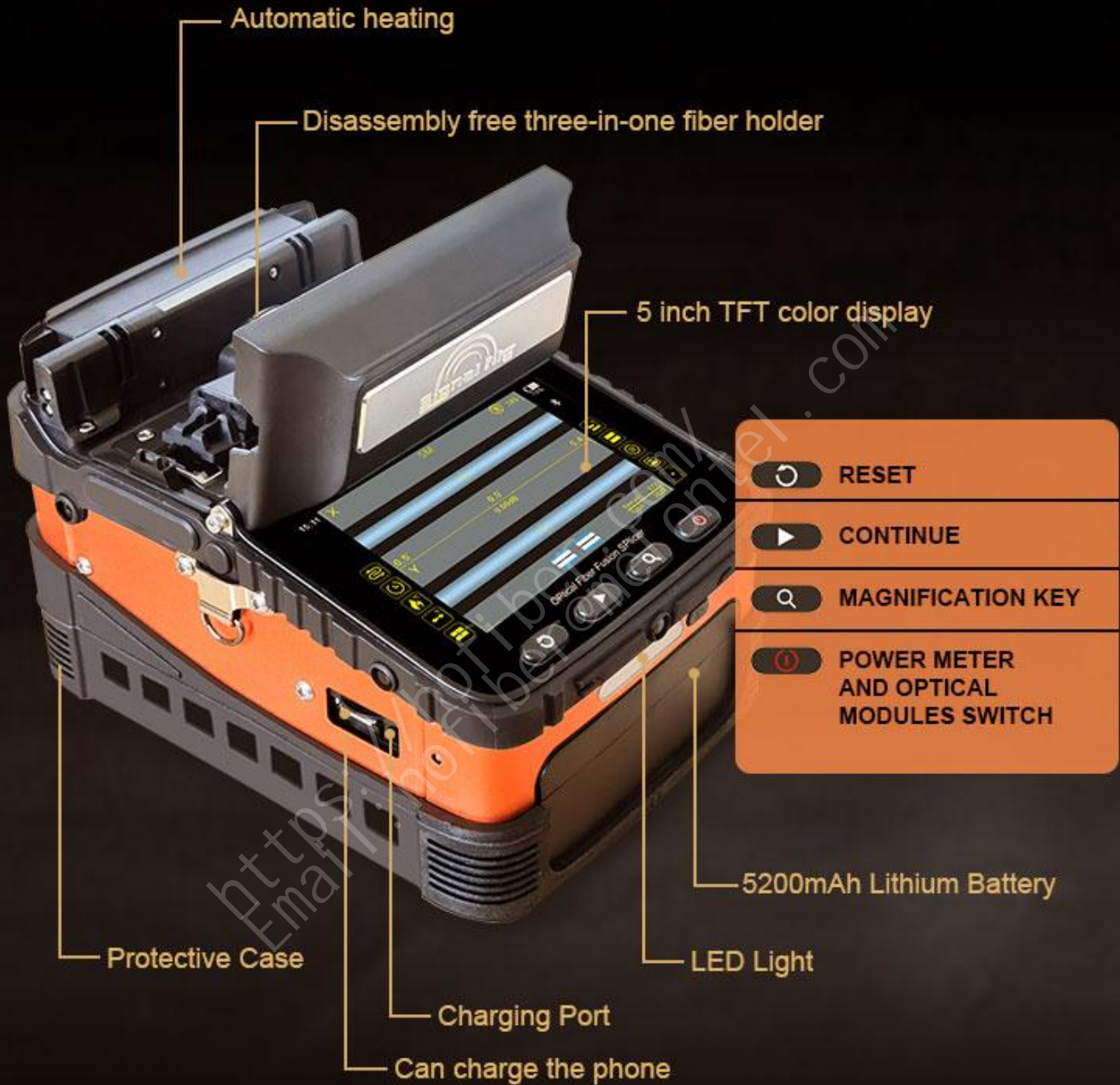
8 seconds  
fast splicing

18s

18 seconds  
fast heating

300

300 times  
magnification  
auto focus



Automatic heating

Disassembly free three-in-one fiber holder

5 inch TFT color display





Protective Case

Charging Port

Can charge the phone

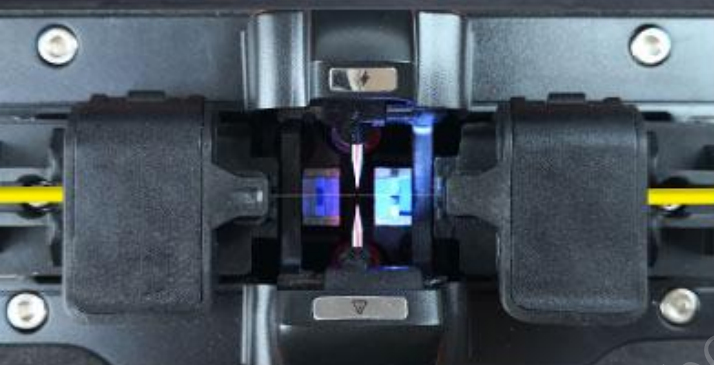
5200mAh Lithium Battery

LED Light

-  **RESET**
-  **CONTINUE**
-  **MAGNIFICATION KEY**
-  **POWER METER AND OPTICAL MODULES SWITCH**

# 3 in 1 FIBER HOLDER

SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable

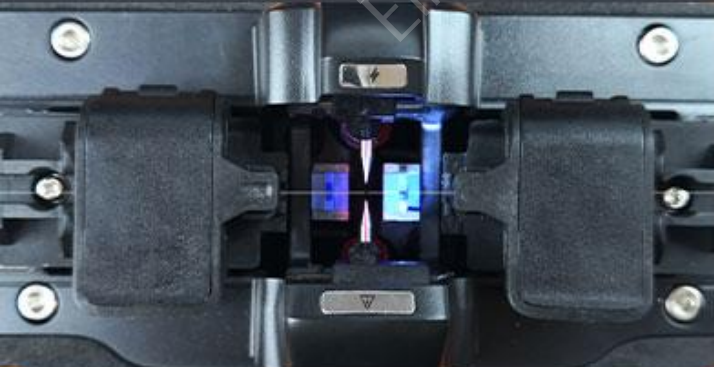


Three-in-one  
universal fixture

Suitable for  
single-mode/multi-mode



multi-core cable/bare fiber,  
tail fiber, jumper,  
leather cable



# LARGE CAPACITY

5200mAh lithium battery

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# LIGHTING FOR SPLICER

CONVENIENT FOR NIGHT OPERATION



# CAN CHARGE THE PHONE



# THE DETAILS



FRONT



BACK



LEFT



RIGHT

# BLUETOOTH CONNECTION

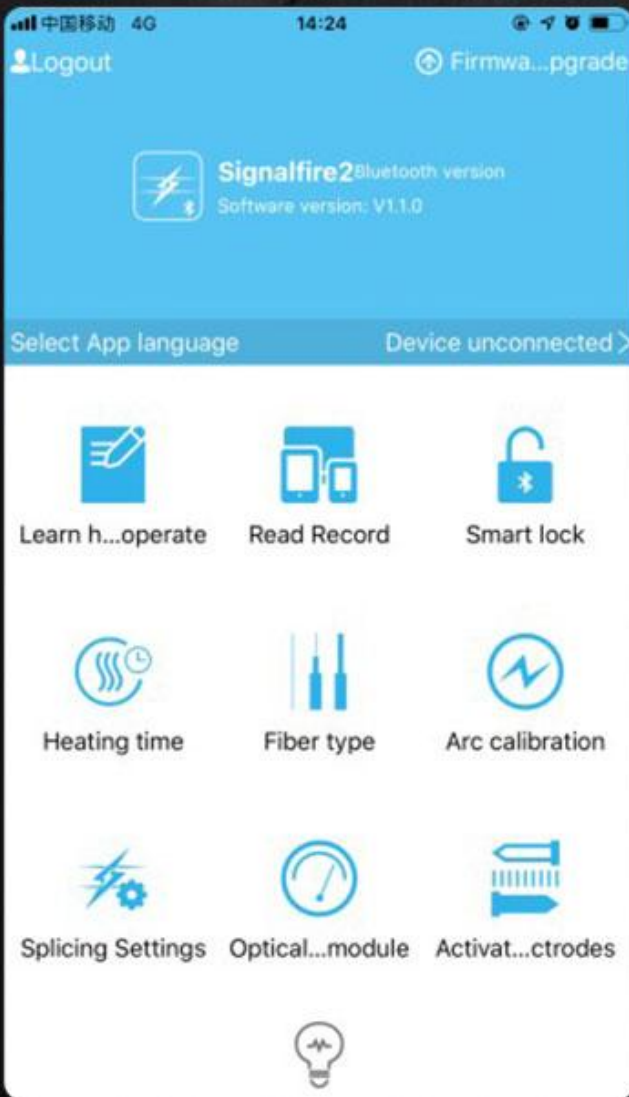
## DROP DATA LINE USB DISK

Scan the QR code of the welding machine startup screen to download the Mobile APP The phone connects to the splicer via Bluetooth



Welding record can be read through mobile phone, and the data can be exported; You can set the parameters of the welding machine, such as selecting the machine language, changing the heating time, selecting the fiber optic alignment mode, etc. You can manage the welding machine, such as setting the use time of the machine, welding times, etc.; Upgrade the phone APP, bluetooth connected to the machine to upgrade the machine software.





After it is opened, there will be voice prompt in the whole process from fiber laying, fiber matching, welding and loss value. In case of unqualified items, it will be directly informed.



**THERE ARE 10 LANGUAGES AVAILABLE**

Major global languages available

Mode/ Number	Splicing loss	Time	Pictures
1	0.01	2021-10-07 10:46:16	
2	0.00	2021-10-06 15:21:50	
3	0.01	2021-10-05 13:20:47	
4	0.01	2021-10-05 13:19:04	
5	0.01	2021-10-05 13:04:43	

Unlimited storage of welding records, can be synchronized to the mobile terminal view

# ACCESSORIES IN THE TOOL BOX



Size:380mmx275mmx175mm

Weight:4.7kg (including machine and accessories)



AI-6C



S07  
Fiber Cleaver



Spare electrode



Strap



User's manual  
Quality Certificate  
Warranty Card



Wire stripping pliers



Miller stripper



Fiber for ARC  
calibration



Alcohol Bottle



Brush



Power Adapter

# BASIC PARAMETER



Machine weight  
2.08kg (with battery)  
1.60kg (without battery)



Toolbox weight  
4.7kg (including machine  
and accessories)



Total weight  
5.5kg

Fiber alignment	Core/cladding alignment / Manual alignment
Splicing time	8S
Heating time	18S
Heating mode	Automatic heating ( Preheating )
Focus mode	Six motors Auto focus
Applicable Fibers	SM(G.652&G.657)、MM ( G.651 ) 、DS(G.657)、NZDS ( G.655 )
Splice Loss	0.025dB ( SM ) 、 0.01dB ( MM ) 0.04dB ( DS/NZDS )
Control technology	Real-time control and calibration of fusion ARC
Return loss	Better than 60DB
Fiber diameter	Cladding Diameter: 80–150 μ m Coating Diameter: 100–1000 μ m
Fiber Cleave Length	Coating less than 250μm: 8–16mm Coating less than 250–1000μm:16mm
Built-in lighting	easy for night operation
Tension Test	Standard 2N
Fiber holders	3 in 1 fiber holder, SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable
Magnification	300 for X or Y view, 150 for X or Y view
Screen	5 inch TFT color display
Splicing Mode	Normal / high precision splicing
Splicing record storage	Synchronize to the phone, the server to cloud storage unlimited
Built-in battery	5200 mA high-capacity lithium battery, charging time ≤ 3.5 hours, continuous splicing and heating about 160 times
Power supply	Input AC100–240V 50 / 60HZ, output DC13.5V / 4A, the current power mode can be identified, real-time detection of battery power
Operating Conditions	Temperature -15 ~ +50 °C, humidity: <95% RH (no condensation) Working altitude: 0 ~ 5000m. Resist max. wind speed: ≤ 15m / s
Shrinkable tube	60mm、40mm