Signal fire

CE FC ISO

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

↻	RESET
▶	CONTINUE
🔍	MAGNIFICATION KEY
⏻	POWER METER AND OPTICAL MODULES SWITCH

5200mAh Lithium Battery

LED Light

Protective Case

Charging Port

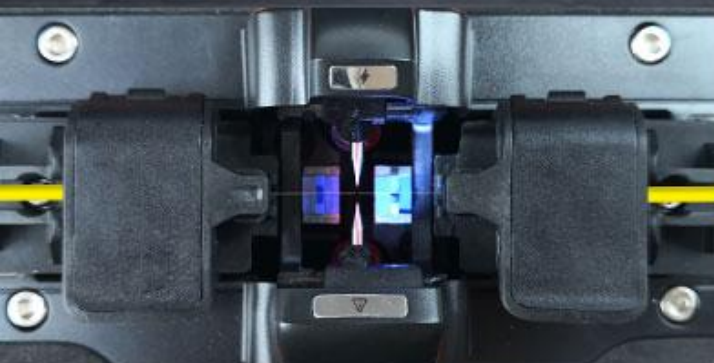Can charge the phone
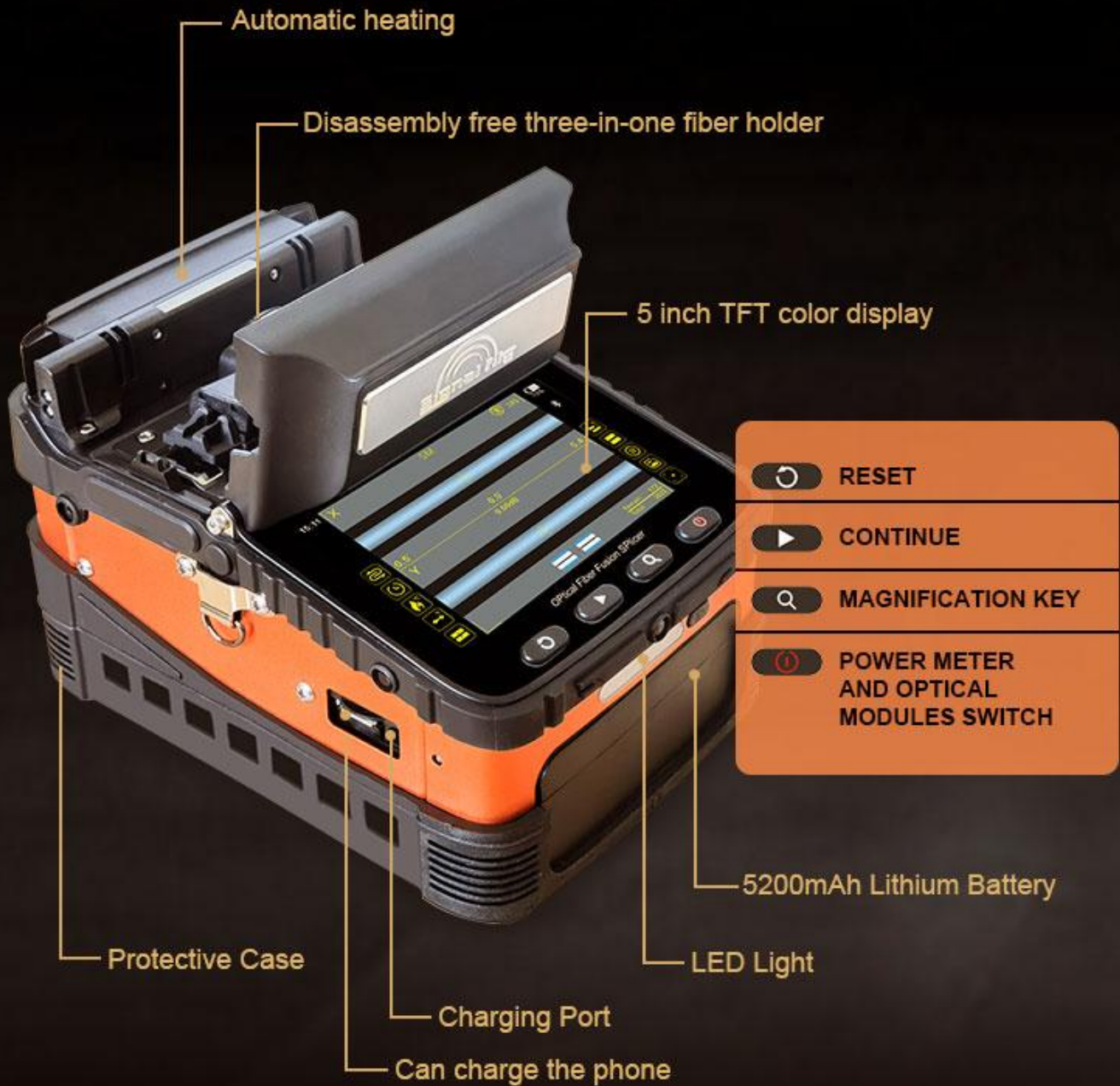
3 in 1 FIBER HOLDER

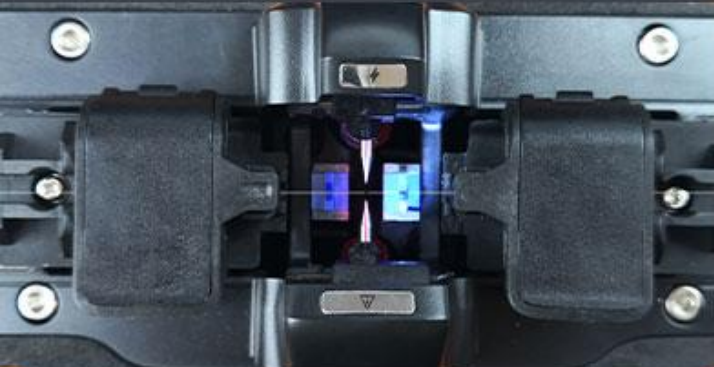SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable

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

Press to popup the battery

LIGHTING FOR SPLICER
CONVENIENT FOR NIGHT OPERATION

CAN CHARGE THE PHONE

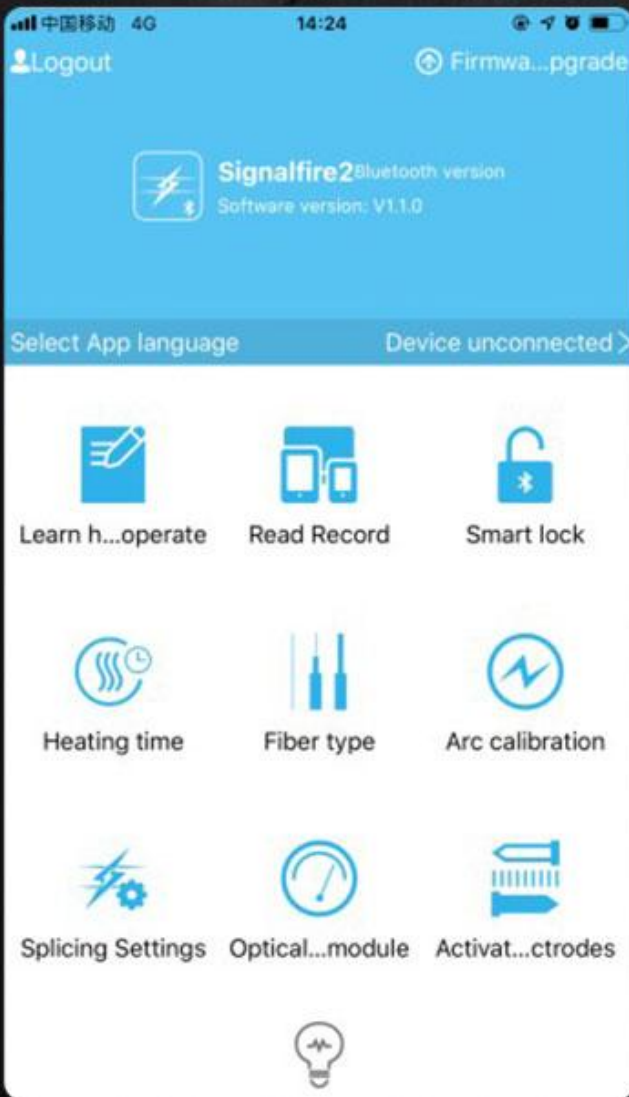# THE DETAILS

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.

👤 Logout   ⊕ Firmwa...pgrade

Signalfire2 Bluetooth version
Software version: V1.1.0

Select App language   Device unconnected ›

Learn h...operate	Read Record	Smart lock
Heating time	Fiber type	Arc calibration
Splicing Settings	Optical...module	Activat...ctrodes

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.

Language selection

中文 (简体)	English	Português
Français	Русский	Español
Polski	ไทย	عربي
Italiano		

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)

S07 Fiber Cleaver	Spare electrode
Strap	User's manual / Quality Certificate / Warranty Card
AI-6C	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)

148mm
122mm
130mm

Toolbox weight
4.7kg (including machine
and accessories)

175mm
380mm
275mm

Total weight
5.5kg

OPTICAL FIBER FUSION SPLICER

235mm
400mm
300mm

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：80-150μm Coating Diameter：100-1000μm
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 ℃, humidity: <95% RH (no condensation) Working altitude: 0 ~ 5000m. Resist max. wind speed: ≤ 15m / s
Shrinkable tube	60mm、40mm

Signal Fire Technology Co.,Ltd. Is A High-Tech Enterprise Which Is Specialized In Research And Development,
Production And Sales Of Communications Products. The Main Products Are Automatic Intelligent Optical Fiber Fusion Splicer,
Optical Time Domain Reflectometer (OTDR), Light Power Meter, Optical Cable Construction Tools Equipment,

Fiber Fusion And Taper Equipment, Optical Cable Blowing Machine Etc. Our Products Are Widely Used In China Telecom, China Mobile, China Unicom, Broadcasting, Electricity, Railways, Petrochemical, Military, Coal Industry, Research Institutions And Other Fields.

Our Company Has A Modern Production Plant And Standardized Office Buildings, With A Total Area Of Nearly 6,000 Square Meters, About 380 Employees, Including 10 Senior Engineers, 12 Master's Degree Or Above, Bachelor Degree Or Above Accounted For 45%. Our Company Owns Independent Intellectual Property Rights For Signal Fire Automatic Intelligent Optical Fiber Fusion Splicer And Its Related Products. Our Products Have Been Sold To Many Countries And Regions, Including North America, South America, Europe And Southeast Asia Etc, Our Products Have Gained Highly Praise From Customers.
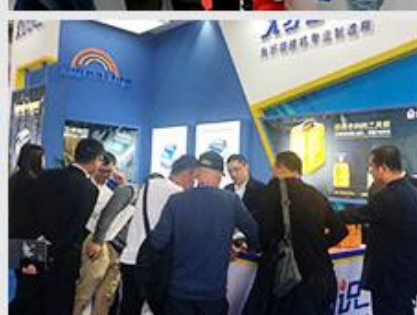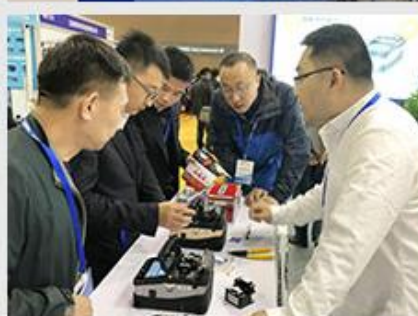
CE

FCC

ISO9001

Rohs

PCT

21 patent results