

# **SumiCloud Introduction**

## **Preliminary information**

ETK1424xxx  
23rd Apr. 2015

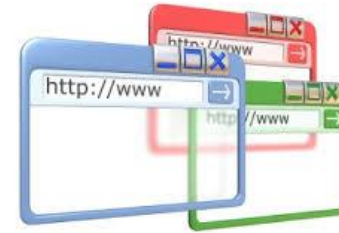
Global Marketing & Engineering Dept.  
Lightwave Network Products Div.

# What is SumiCloud ?

SumiCloud is most powerful tool to support your fusion splicer operation in the field.

Through your Smartphone, once the splicer is connected to internet, various kind of services are provided, data management, asset management and maintenance support.

Please enjoy the new generation splicer experience with SumiCloud.



Easy browse and control by PC browser

General Internet connection

SumiCloud Server



Mobile 3G/4G connection

Wireless connection

Your Fusion Splicer with SumiCloud Card



Smartphone with SumiCloud Application

# What we can do with SumiCloud ?

## Splice Data Management

- > View splice results on smart phone screen
- > Cloud data server available for Storage the splice data
- > Splice data with GPS location
- > Easy to check splice record

## Remote Screen Capture

- > Capturing real-time splicing image
- > Easy to understand machine condition for maintenance center
- > e-mail to anywhere you want

## Help Video

- > Step by step instruction
- > Multi language support
- > Help video for the related products to be available
- > Splice operation on viewing tutorial on smartphone

## Report Builder

- > Automatic creation of splicing report
- > Splice location on the map with GPS
- > Contents and parameters selectable
- > Attach any image data in smartphone
- > e-mail to anywhere you want
- > Secure password lock on the report

## Auto Diagnosis

- > Regular health check helps prevent failure on the field
- > Automatic diagnosis of machine condition
- > On site quick support and trouble shooting assistance

## Software update

- > Automatic update via smartphone
- > Keep splicer up to dated for comfortable daily operation

## Remote Lock

- > Lock and unlock remotely via cloud data sever
- > Splicer can only be unlocked with correct pass code
- > For asset maintenance best suited for rental company, prevention of theft

## Advertisement

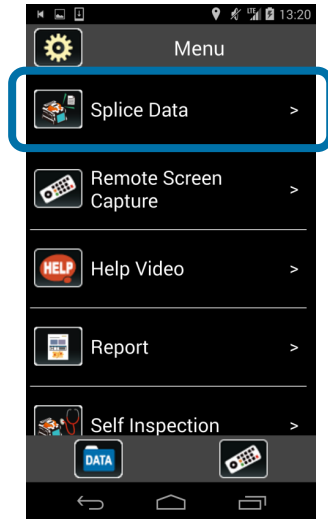
- > Banner on Startup screen
- > Link to website of advertised company
- > New product introduction

# General Information

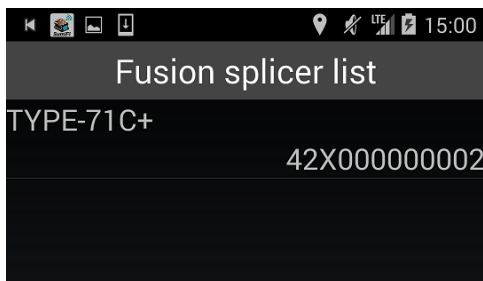
- Recommended Smartphone OS: Android ver. 4.x 'Kit Kat'
- Smartphone Application : SumiCloud, download by GooglePlay
- Required Machine and Software  
Type-71C+ with software ver.1.04 or later  
with SumiCloud Card WLSD-0208

# 1. Splice Data Management

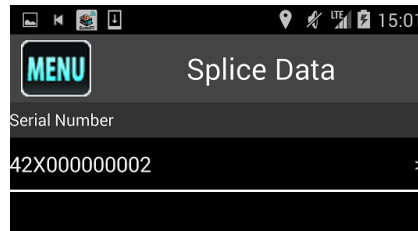
1) Tap "Splice Data"



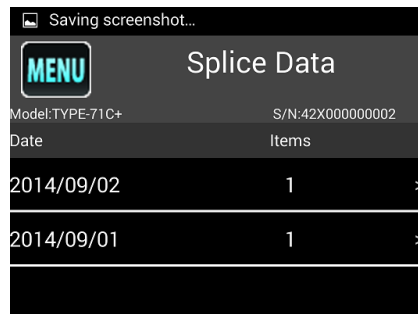
2) Select Splicer



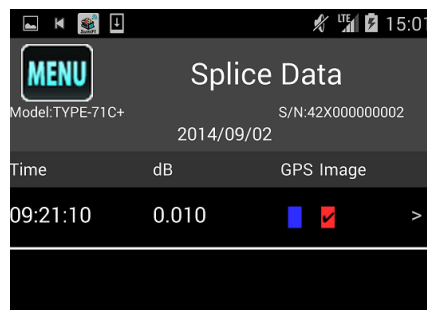
3) Select serial number 6) Splice Data is shown



4) Select date

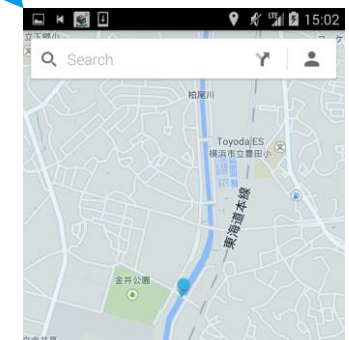
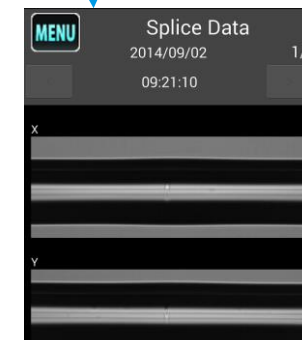


5) Select splice data



Photo

Map



# 1. Splice Data Management (Server side)

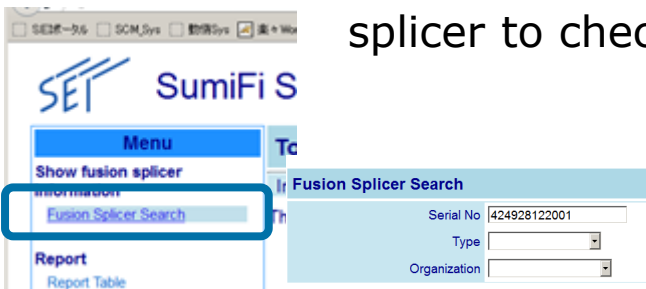
1) Login SumiFi server



3) All the splice data is shown in "Health Monitor" table

Health Monitor				
Connection Time	Registration Status	Alignment Method	Electrode Correction Position	Discharge Frequency
02 Sep, 2014 09:21:10	Connection completed	Core	376	14
01 Sep, 2014 10:18:38	Connection completed	Core	376	13
26 Aug, 2014 14:50:12	Not connected	Core	376	----
05 Aug, 2014 15:03:22	Connection completed	Core	376	12
31 Jul, 2014 17:22:39	Connection completed	Core	376	11
31 Jul, 2014 16:11:40	Connection completed	Core	376	10
31 Jul, 2014 15:25:24	Connection completed	Core	376	9
28 Jul, 2014 17:02:29	Not connected	Core	376	----
28 Jul, 2014 16:59:13	Not connected	Core	376	----
28 Jul, 2014 16:52:48	Not connected	Core	376	----
17 Jul, 2014 14:04:42	Connection completed	Adaptive	400	0

2) click "Fusion Splicer Search" on the menu and search the splicer to check

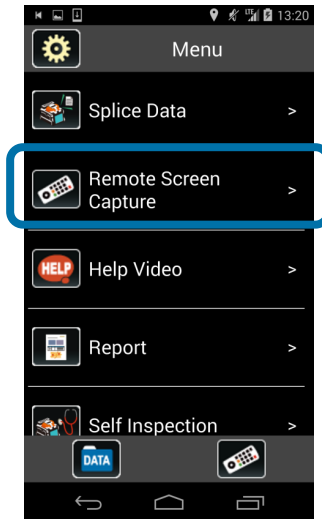


3) Select the splicer to check

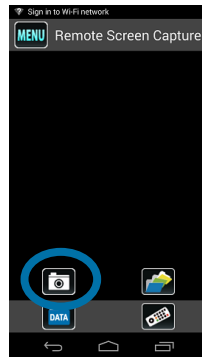
Select All		Release All			
Serial No	Type	Organization	Lock Status	Fin	
<input type="checkbox"/> 424928122001	TYPE-71C+	SEEL	Normal		

## 2. Remote Screen Capture

1) Tap "Remote ..."



2) Tap "Capture" icon



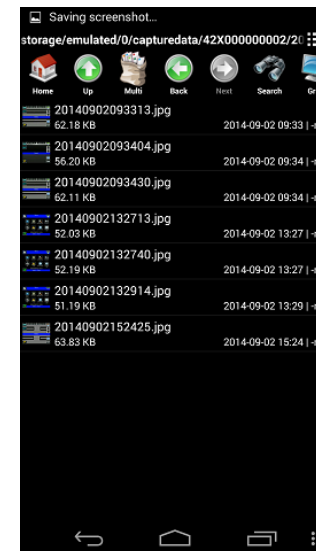
3) Captured



4) View - Tap "Folder" icon then select the list of Seloal number-> date ->Time

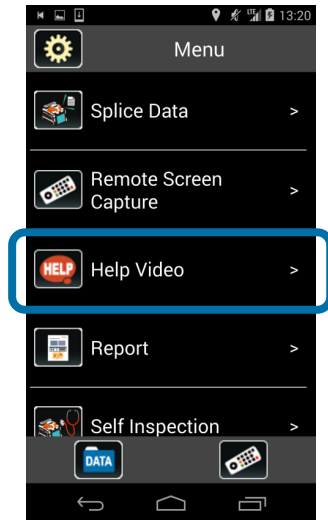


5) To e-mail, find the Captured picture in "file manager". The folder is, captureddata ->(serial #) ->(Date)-> file in jpg.

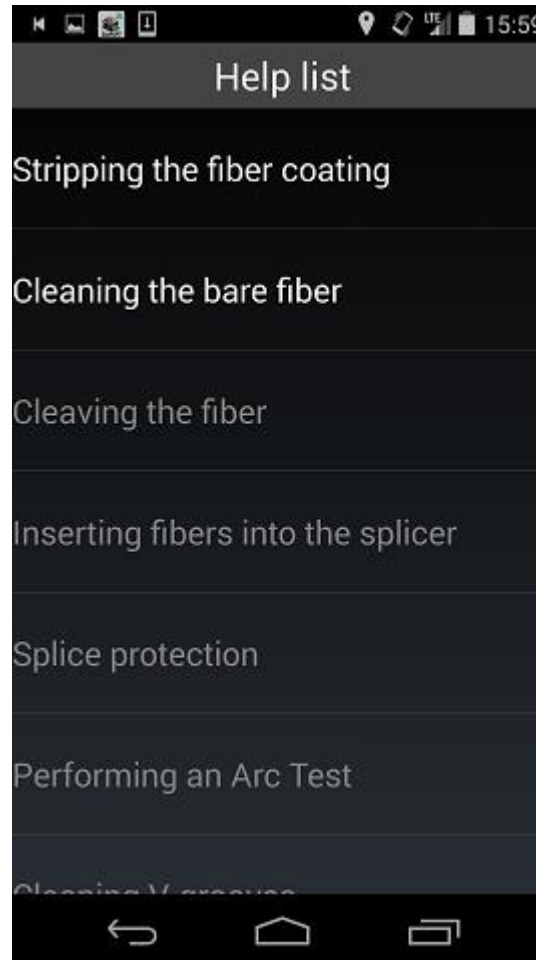


## 3. Help Video

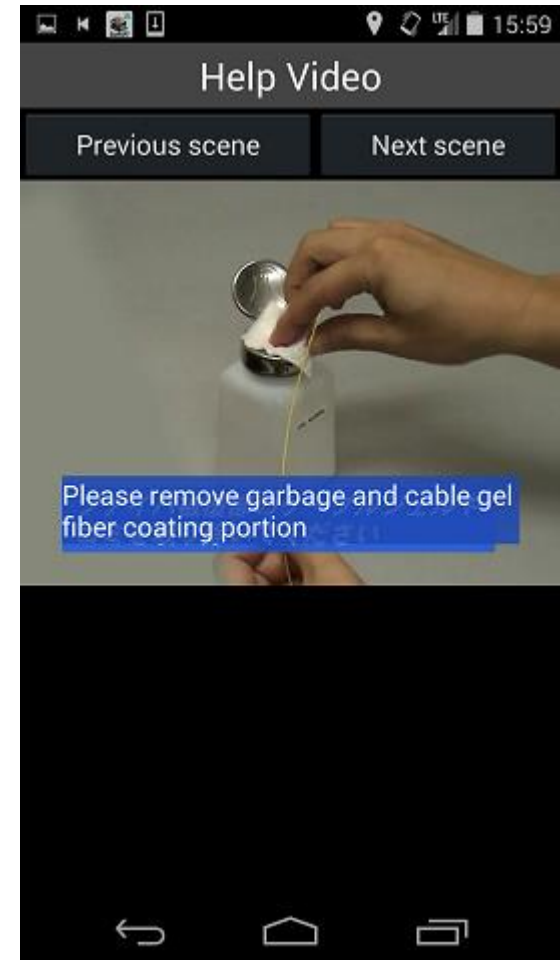
1) Tap "Help Video"



2) Select title



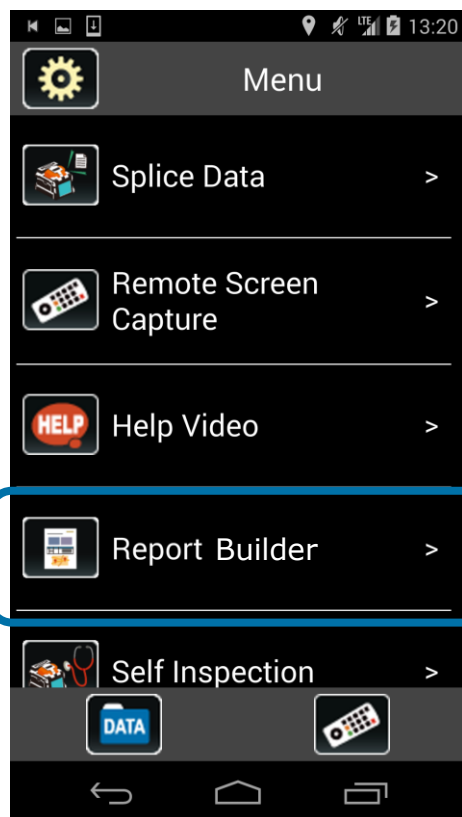
3) Enjoy Video instruction





## 4. Report Builder

### 1) Tap "Report"



### 2) Format appeared



### 3) Fill in each Column

- Worker
- Photo area : 3 of picture frames  
(Tap a frame, then select a picture)
- User define setting  
free input area of item & value
- Splice data setting  
select splice data to report
- zip password  
.xml data is zipped when the data is attached with e-mail
- Send mail  
.xml data is sent by e-mail
- Send to server  
.xml data is sent to server

4) Send your report by tap "Send mail" or "Send to server".  
Coupon is required when you use "Send mail".

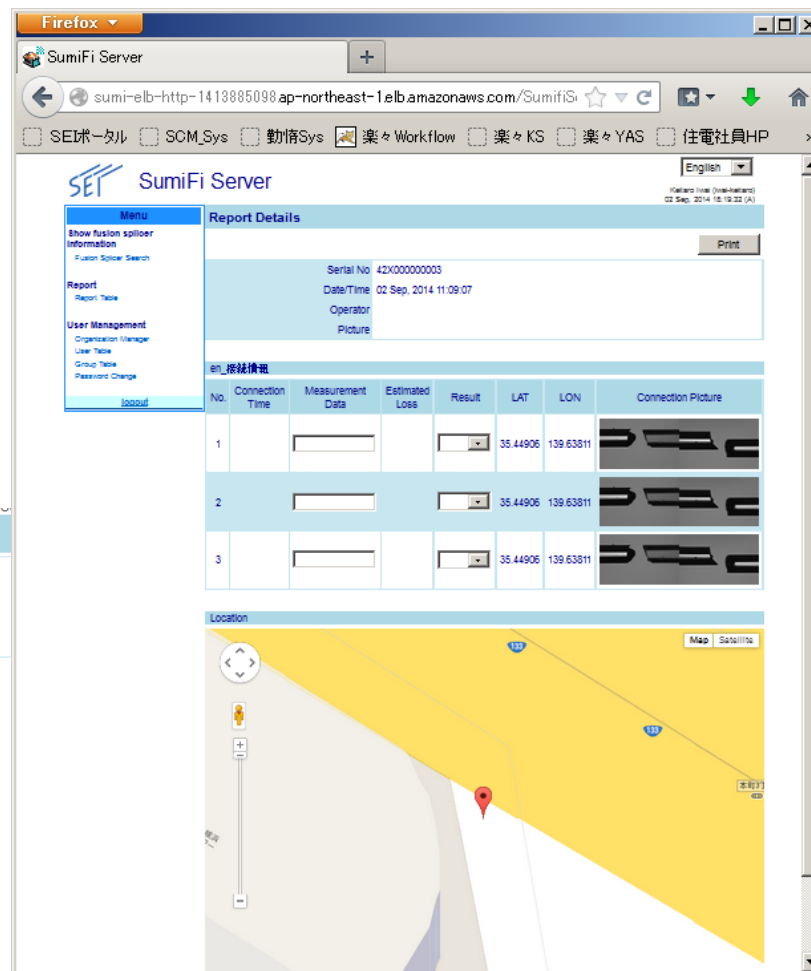
## 4. Report Builder (Server side)

The report is sent by "Send to server", you can see the report on PC Browser.

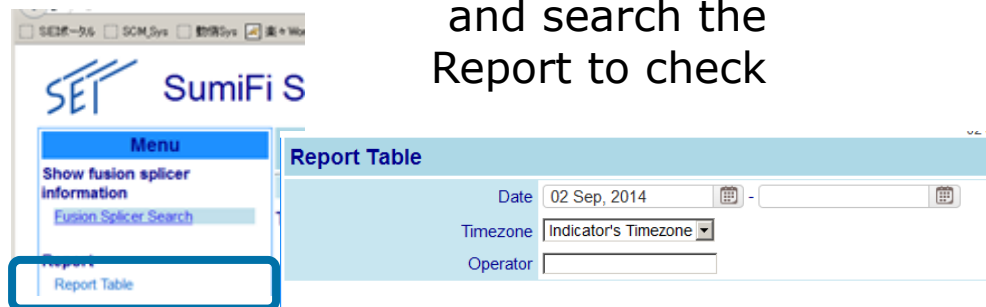
### 1) Login SumiFi server



### 4) Report generated



### 2) Click "Report table" on the menu and search the Report to check



### 3) Select the report to check

Search Result 16results 1-16.

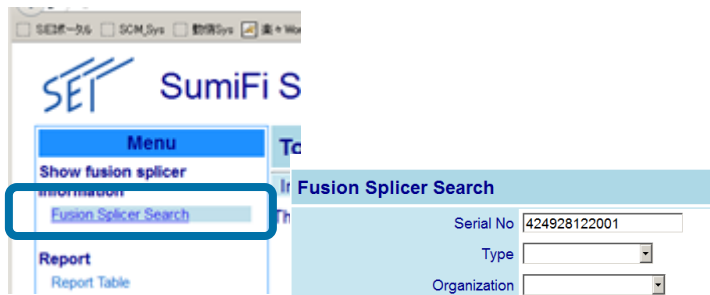
Date	Location Time	Operator	Connection
22 Jul, 2015 11:35:38	22 Jul, 2015 12:35:38 (Australia/Sydney)	200件融資	190
02 Sep, 2014 15:34:03	02 Sep, 2014 15:34:03 (Asia/Tokyo)	えす4	0
02 Sep, 2014 15:34:03	02 Sep, 2014 15:34:03 (Asia/Tokyo)	えす4	0
02 Sep, 2014 15:34:03	02 Sep, 2014 15:34:03 (Asia/Tokyo)	えす4	0
02 Sep, 2014 15:34:03	02 Sep, 2014 15:34:03 (Asia/Tokyo)	えす4	0
02 Sep, 2014 15:34:03	02 Sep, 2014 15:34:03 (Asia/Tokyo)	えす4	0

## 5. Auto Diagnosis (Request from the server)

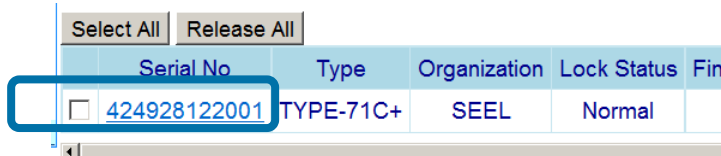
### 1) Login SumiFi server



### 2) click "Fusion Splicer Search" on the menu and search the splicer to monitor

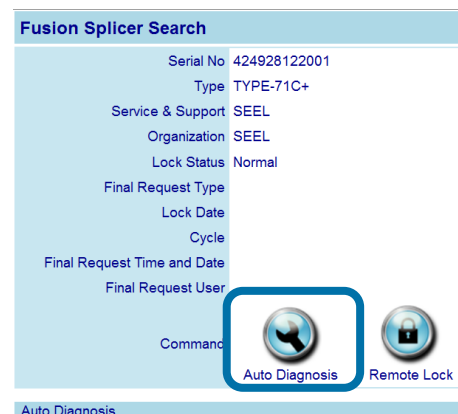


### 3) Select the splicer to monitor



### 4) Click "Auto Diagnosis" then check the message,

" Auto diagnosis request has been successfully sent. "



### 5) Diagnosis has succeed on the field, data is available on the server. Please re-enter with the procedure 2)~3).

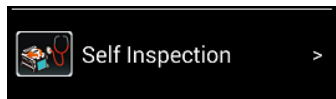
Auto Diagnosis																
Date	Image	LED						Bright(9 point)		Fiber Angle						
		X			Y			Max-Min		L R				L-R		
		0	320	1023	0	320	1023	X	Y	X		Y	X	Y		
02 Sep, 2014 16:42:58	-----	6	165	255	5	159	255	0	0	0.07	0.00	0.14	0.24	0.10	-0.10	----
02 Sep, 2014 16:42:58	-----	6	165	255	5	159	255	0	0	0.07	0.00	0.14	0.24	0.10	-0.10	----

## 5. Auto Diagnosis (Splicer & Smartphone)

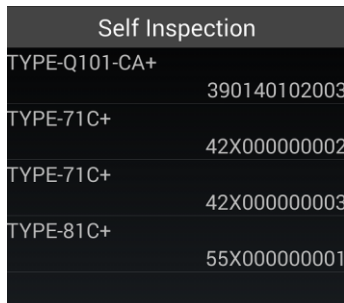
- 1) Preparation on Splicer
  - Go back to "Menu" window
  - Prepare a pair of cleaved fiber to set on the stage



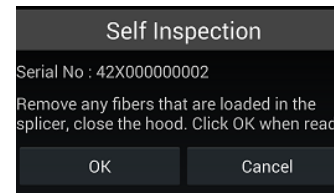
- 2) Tap "Self inspection"



- 3) Tap the splicer to monitor

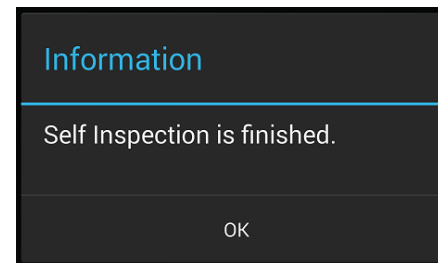


- 4) Follow the instructions indicated on the screen, then Tap "OK"



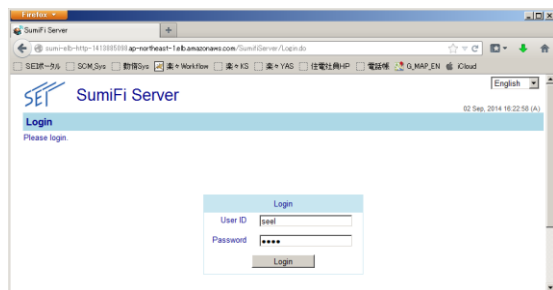
- 5) Then follow the instruction to put a pair of fine cleaved fiber on the splicer.

- 6) The message will come, after the diagnosis successfully conducted.

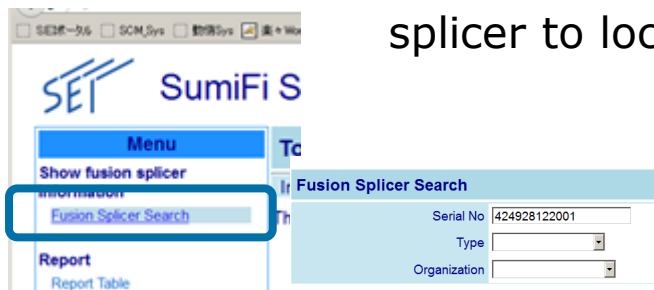


## 6. Remote Lock

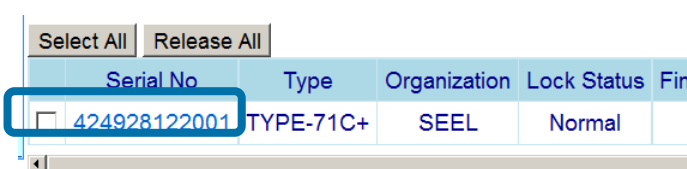
### 1) Login SumiFi server



### 2) click "Fusion Splicer Search" on the menu and search the splicer to lock



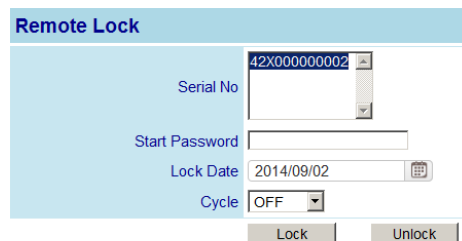
### 3) Select the splicer to lock



### 4) Click "Remote Lock"



### 5) Fill the parameters



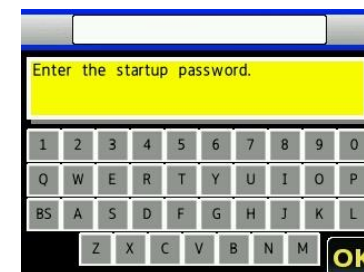
- Start Password : 4digits
- Lock date : effective period to lock the splicer
- Cycle : password input cycle during the effective period

6) After Click "Lock" the window is returned to 4) with the message, **"Remote lock request has been successfully sent."**

7) "Lock" request transferred to the splicer via smartphone next time the splicer and the smartphone is connected.

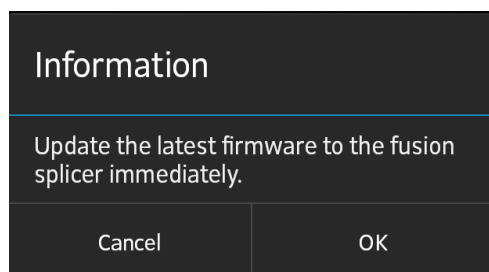
8) The splicer immediately shut down, right after receive the request.

On next power on, password window came on the start up.

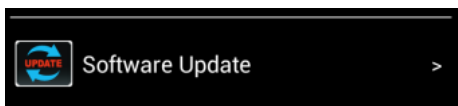


## 7. Software Update

- 1) If new software is available on the server, following message is pop up when you open the App. Then tap "OK"



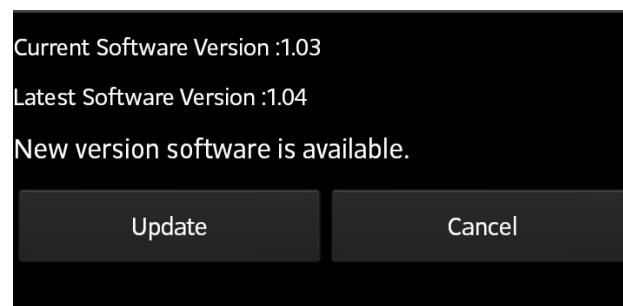
Or even you tap "Cancel" you can update anytime you tap "Software update" on main menu.



- 2) Tap home button on the splicer display, then back to Home menu



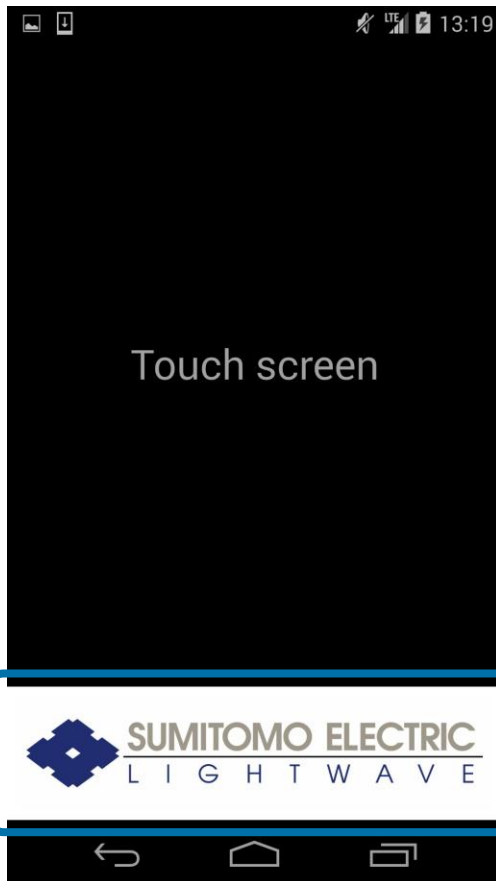
- 3) Both current and latest software version is indicated on the smartphone. If your machine does not have the latest version, you can use this function. Tap "Update"



- 4) Software update is automatically conducted. Please don't shut down the splicer and smartphone until the update is completed

## 8. Advertisement

1) Tap the banner



2) Move to the assigned

