



# AUTO COLOR<sup>®</sup> *Recipe*

## iOS ver. Operation Manual

Ver. 1. 0. 1

2015.11.09





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# Introduction

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This application requires communication environment, such as 3G or Wi-Fi, and communication terminal, such as Smart Phones or Tablet.

In addition, you can use in conjunction with the ROCK MICOM SCALE IV by using optional accessories of BT MODULE SET (for iOS).

This application may have different screen display size or speed due to difference of terminal or communication speed.

Please read operation manual carefully before use, then well understand and use properly.

# Before use

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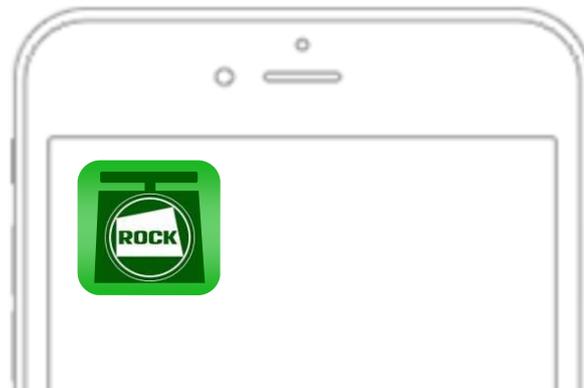
Please make sure that all equipment below is turn on and cable is connected properly in accordance with your purpose of use.

- Terminal (Smart Phones or Tablet)
- ROCK MICOM SCALE IV
- BT MODULE SET (for iOS)
- Router (when using Wi-Fi)

Application may not operate properly if equipment does not turn on or connected properly.



## Name & Function of tapping area (TOP screen)



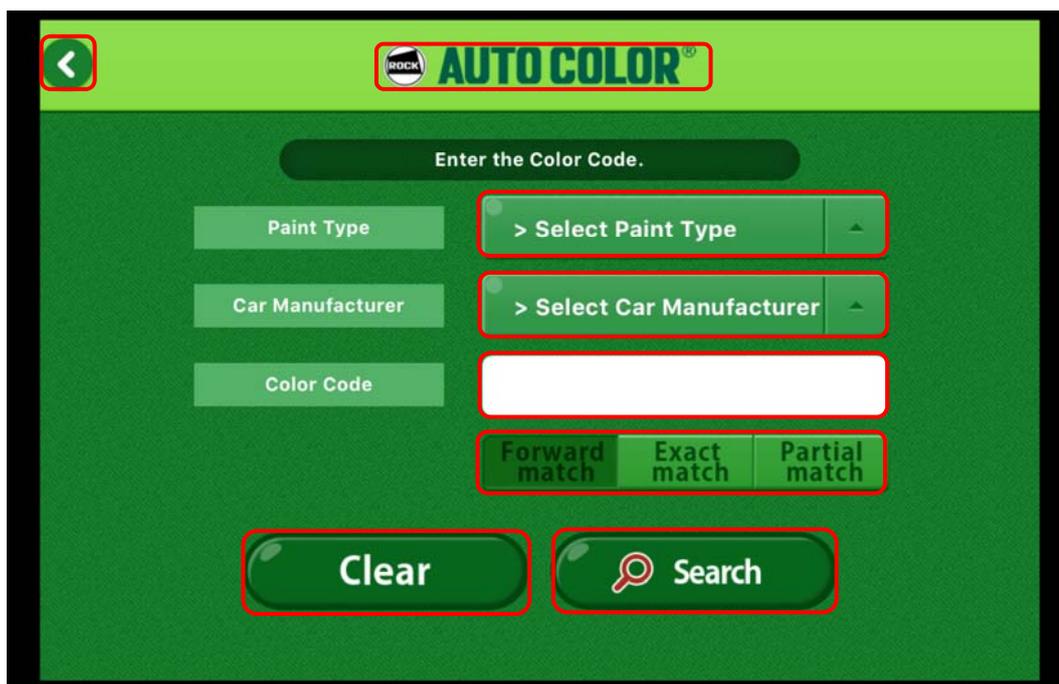
	<p>Application Icon</p>	<p>This ICON will show on terminal display when install AUTO COLOR Recipe. Tap for start.</p>
	<p>Searching Color Mixing Data</p>	<p>Input Paint Type, Manufacture, Color Code for searching Color Mixing Data.</p>
	<p>QR Code Searching</p>	<p>Scan QR Code located at the back side of Color Card for searching Color Mixing Data.</p>
	<p>Help</p>	<p>Browser start &amp; Show simple manual</p>



# Chapter 1-1 Searching Color Mixing Data (Standard)

Select Paint Type, Manufacture, Color Code for searching color mixing data.

## Name & Function of tapping area (Search condition input screen)



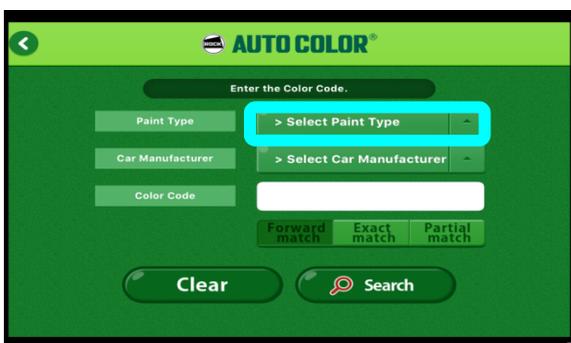
	Go to TOP	Go to TOP (applicable at any screen)
	Go to Previous Screen	Go to Previous Screen (applicable at any screen)
	Select Paint Type	Show list of Paint Type
	Select Manufacture	Show list of Manufacture
	Input Color Code	Color Code Input box
	Change Searching Condition	Possible to change Searching Condition
	Clear	Delete Searching Condition
	Search	Search by selected Searching Condition



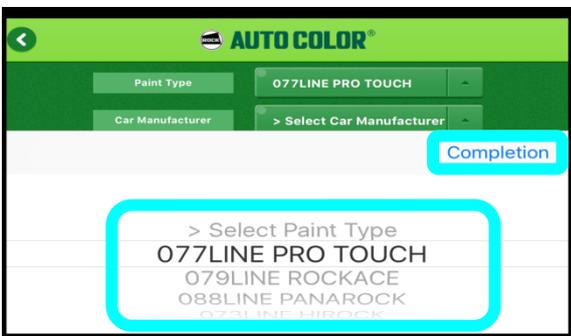
# Chapter 1-1 Searching Color Mixing Data (Standard)



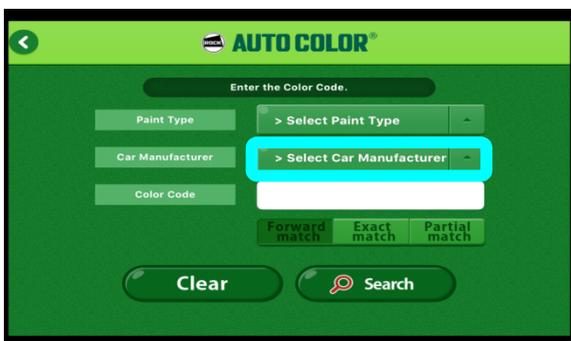
1. Tap 



2. Tap 



3. Select required Paint Type, then tap Completion.

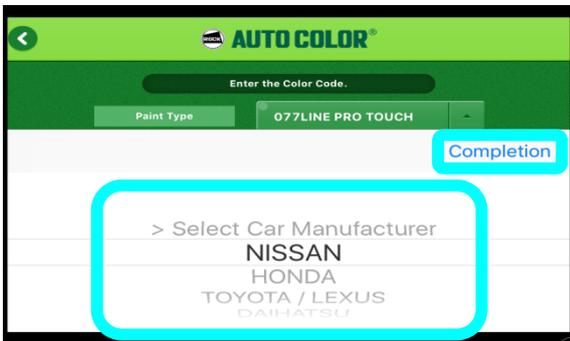


4. Tap  \*1

\*1 Select Manufacture can be omit but it takes time for searching when selection is plural.



## Chapter 1-1 Searching Color Mixing Data (Standard)



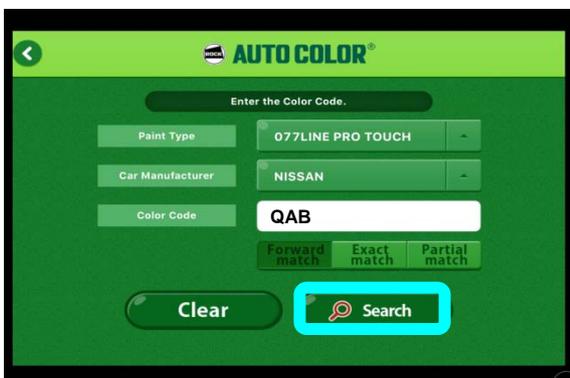
5. Select required Manufacture, then tap Completion.



6. Tap Color Code input box.



7. Input Color Code, then tap **Done** \*2



8. Tap **Search** after input Color Code. (Searching result will be shown)

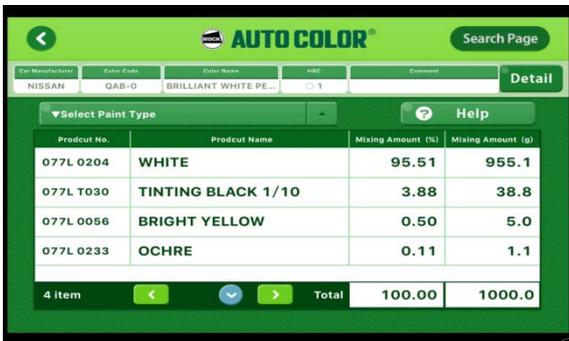
\*2 Only possible to use Alphanumeric single-byte. Keyboard layout may be different in using environment.



# Chapter 1-1 Searching Color Mixing Data (Standard)



9. Select required Color Mixing Data by tapping.



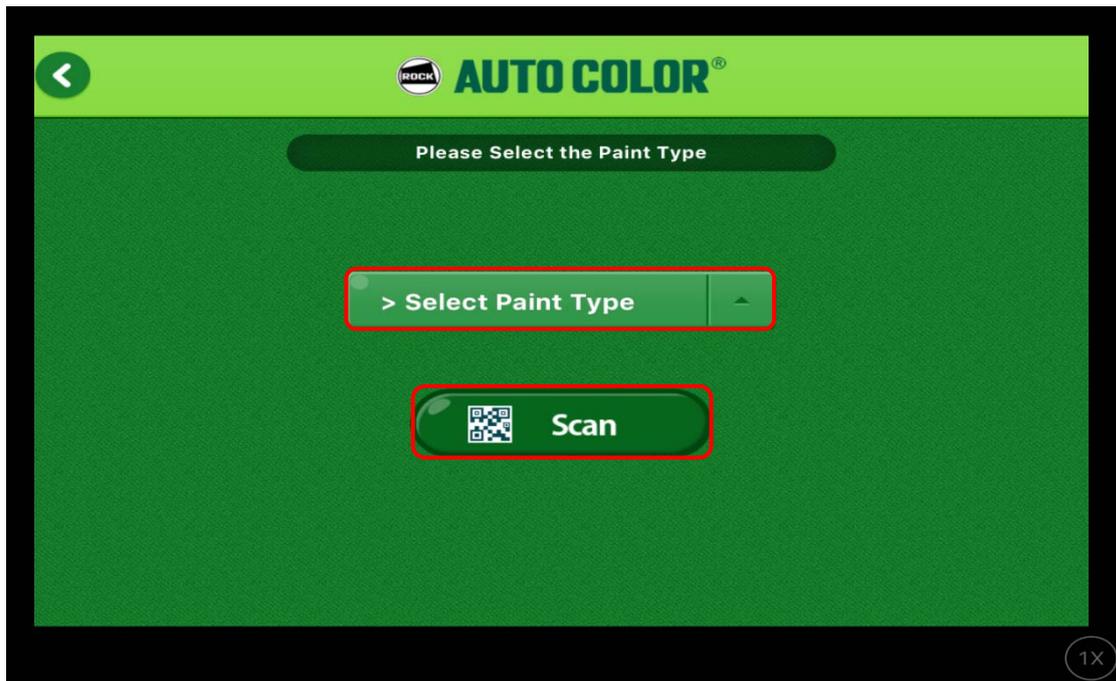
10. Selected data will be shown.



## Chapter 1-2 Searching Color Mixing Data (QR Code)

Searching Color Mixing Data by scanning QR Code which located at the back side of color card.  
 \* It is NOT applicable to the terminal which has back side camera.

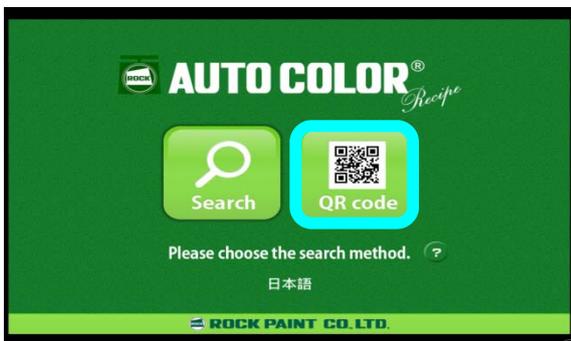
### Name & Function of tapping area (Search condition QR Code)



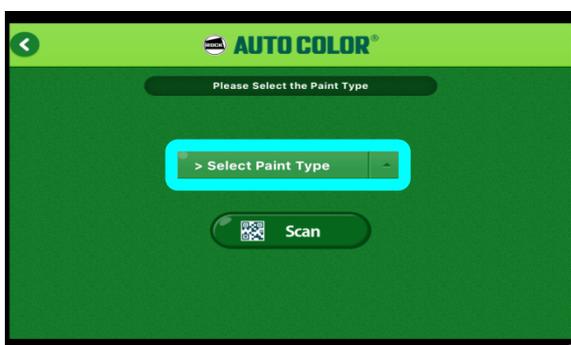
	Select Paint Type	Show list of Paint Type
	QR Code scan	Go to QR Code scan screen



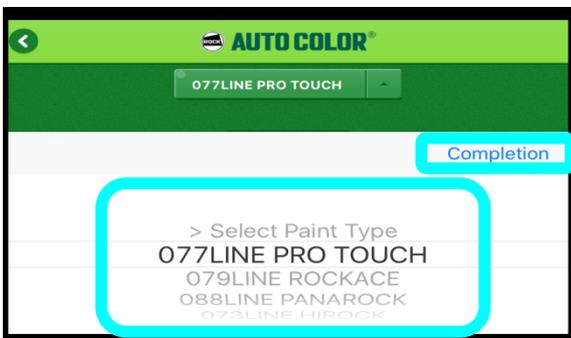
## Chapter 1-2 Searching Color Mixing Data (QR Code)



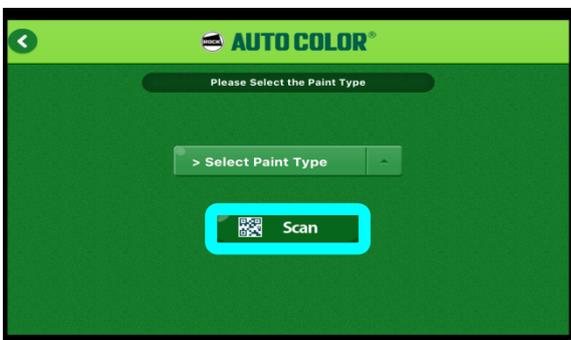
1. Tap  QR code



2. Tap  > Select Paint Type



3. Select required Paint Type, then tap COMPLETE.



4. When tap  Scan, QR Code reader will start, then scan it.  
\*3, \*4

\*3 Application will select Paint Type prior which is registered in QR Code even if selected Paint Type before scan. Please hide one of other QR Code when scanning.

\*4 Scanning speed depends on performance of terminal, shaking, etc.



## Chapter 1-2 Searching Color Mixing Data (QR Code)



5. Show Color Code scanned.



6. If only one Color Mixing Data is available, Color Mixing Data will be shown directly. If more than two Color Mixing Data is available, List will be shown.



## Chapter 2 Select Color Mixing Data

It is possible to move different screen, such as other layer data or other actual car No. even after shown Color Mixing Data.

In addition, it is possible to convert Color Mixing Data to other Paint Type.

### Name & Function of tapping area (Color Mixing Data screen)



	Data Conversion (Type of Paint)	Change data to same Color Code but different Paint Type *5, *6
	Data Conversion (Tinter)	Change to the data using substitution tinter *6
	Data Conversion System help	Help for Data Conversion System *7
	Actual Car Color Data Change (Left-Right)	Change to same Color Code of other Actual Car Color Data
	Other Layer Data (Up-Down)	Change to multi-layer color data such as 3 Coat Color or 2 Tone Color
	Go to Searching Condition Input screen	Go to Searching Condition Input screen
	Show Detail Information	Show detail information related to color code selected.

\*5 If color data is not available, system calculated data will be shown. Notice will be shown at the top of the page if system calculated data shown. When the same tinter is not available, the system calculated data would not be shown even if change paint type.

\*6 Please see PDF file in the Data Conversion System help.

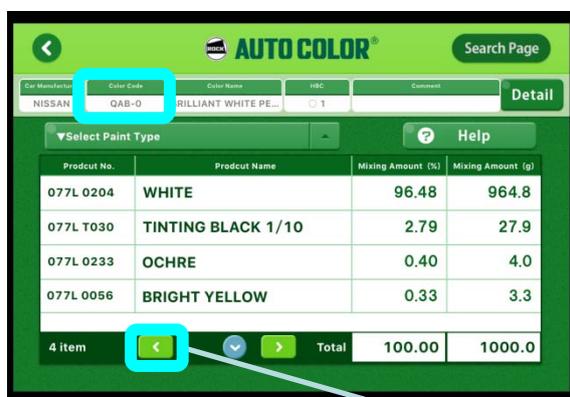
\*7 PDF application selection screen will appear. Please select one of those application. Please download application from App Store if it is not in the terminal.



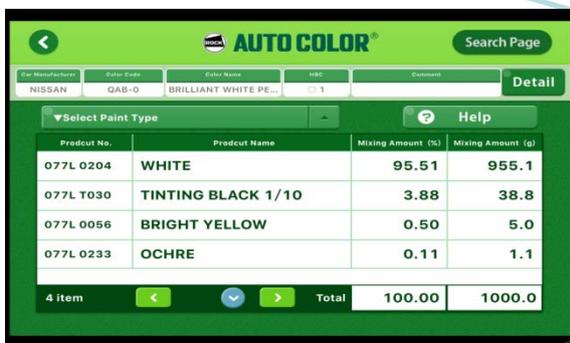
## Chapter 2-1 Select Actual Car Color Data



1. Tap  when screen showing selected Color Mixing Data.



2. Color Code No. will be changed.  
**\*8**



3. It go back to previous data when tap  button.

**\*8** If substitution Color Mixing Data is available in the same Actual Car Color code, code would not be changed. Please see and confirm tinters in the data or comment



## Chapter 2-2 Select Other Layer or Tone Color Data

Product No.	Product Name	Mixing Amount (%)	Mixing Amount (g)
077L 0204	WHITE	95.51	955.1
077L T030	TINTING BLACK 1/10	3.88	38.8
077L 0056	BRIGHT YELLOW	0.50	5.0
077L 0233	OCHRE	0.11	1.1
4 item		Total	1000.0

1. Tap when screen showing selected Color Mixing Data.

Product No.	Product Name	Mixing Amount (%)	Mixing Amount (g)
077L P150	BLENDING CLEAR P	72.39	723.9
051L 4330	U.PEARL BASE 8W	11.28	112.8
077L 0351	PEARL BASE W	8.42	84.2
077L 0095	FLAT BASE	7.91	79.1
4 item		Total	1000.0

2. Change to other layer or other tone data in Color Mixing Data.  
**\*9**

Product No.	Product Name	Mixing Amount (%)	Mixing Amount (g)
077L 0204	WHITE	95.51	955.1
077L T030	TINTING BLACK 1/10	3.88	38.8
077L 0056	BRIGHT YELLOW	0.50	5.0
077L 0233	OCHRE	0.11	1.1
4 item		Total	1000.0

3. Change to previous color data when tap button.

**\*9** Actual Car Color Code would not be changed as this is other layer in the same color code in the data. Please confirm with Up or Down arrow and color data is changed.



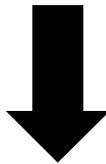
## Chapter 3 Connecting ROCK MICOM SCALE IV



Please make sure ROCK MICOM SCALE IV and Bluetooth BP MODULE is turn on and properly connected.  
 Bluetooth MODULE will be automatically turn on when insert power cable.  
In addition, it is not necessary to do pairing of iOS terminal and Bluetooth MODULE in the application.

### Equipment for Connecting

- ROCK MICOM SCALE IV main body
- Bluetooth MODULE SET (for iOS)



#### Bluetooth MODULE SET (for iOS) package

- Bluetooth MODULE main body (for iOS)
- Power cable
- RS-232C serial reverse cable
- Hook and loop fastener for ROCK MICOM SCALE
- Product instruction

\* Appearance or specifications of BT MODULE SET (for iOS) may be change without notice.



# Chapter 3 Connecting ROCK MICOM SCALE IV

## How to Connect

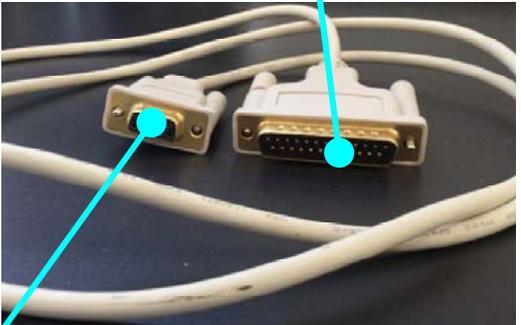


ROCK MICOM SCALE IV main body



ROCK MICOM SCALE IV back side

\* 25pin (Large) terminal connect to MICOM SCALE MAIN body, 9pin(Small) terminal connect to Bluetooth MODULE.



RS232C Serial Reverse Cable  
D-sub 9pin Female—D-sub 25pin male



Bluetooth module main body (for iOS)



## Chapter 3 Connecting ROCK MICOM SCALE IV

### Bluetooth Module setting area



ROCK MICOM SCALE IV main body



ROCK MICOM SCALE IV back side

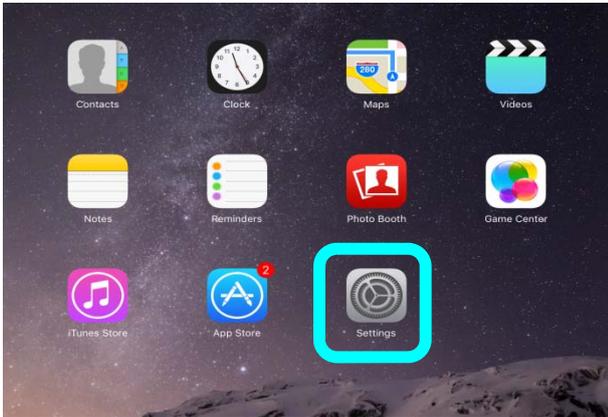


\* Recommended to fix module at backside of ROCK MICOM SCALE IV by hook and loop fastener included in a package.

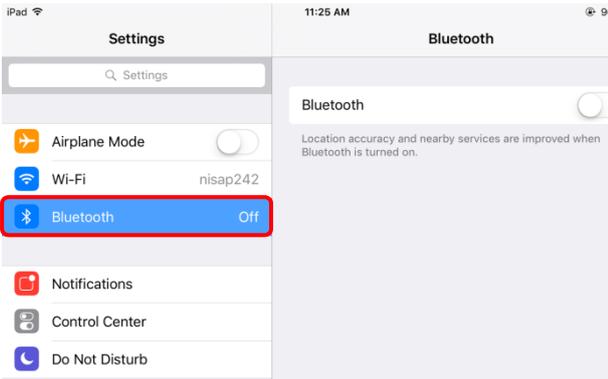


# Chapter 3 Connecting ROCK MICOM SCALE IV

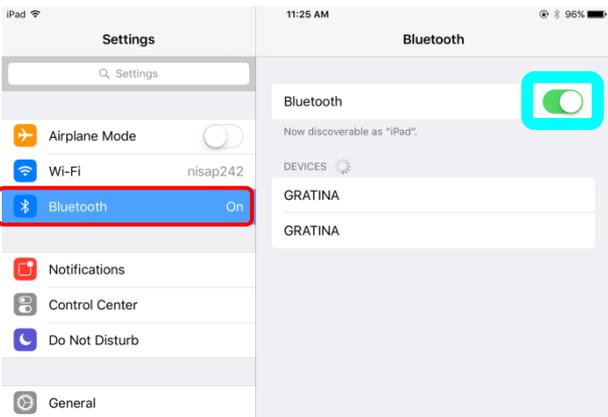
## Turn on Bluetooth (Setting Screen)



1. Tap “Setting” in a home display.



2. Following screen will appear when Bluetooth is off. Please tap    and    to turn on.



3. Color in    will be green and when Bluetooth turn on. Display in    will also be turn on.

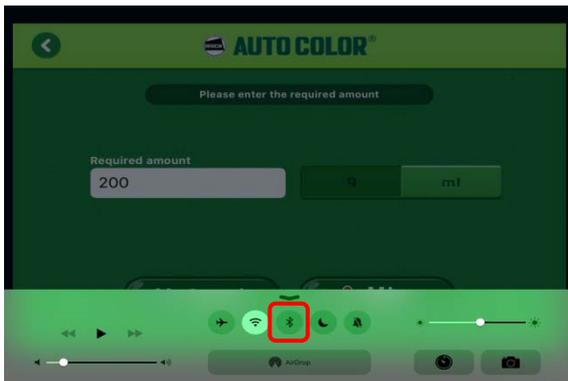


## Chapter 3 Connecting ROCK MICOM SCALE IV

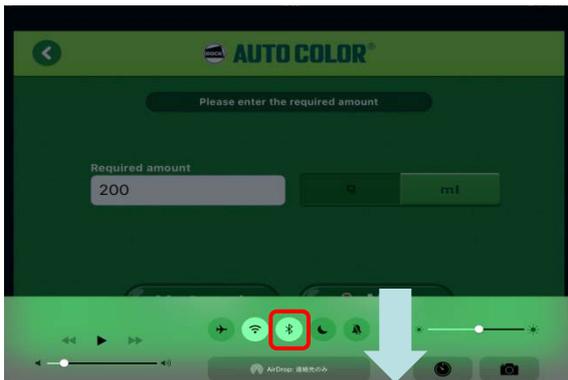
### Turn on Bluetooth (When using Application)



1. It is possible to turn on Bluetooth when using application. \*10  
If swipe from bottom to top on display, control center will appear.



2. Tap  in .



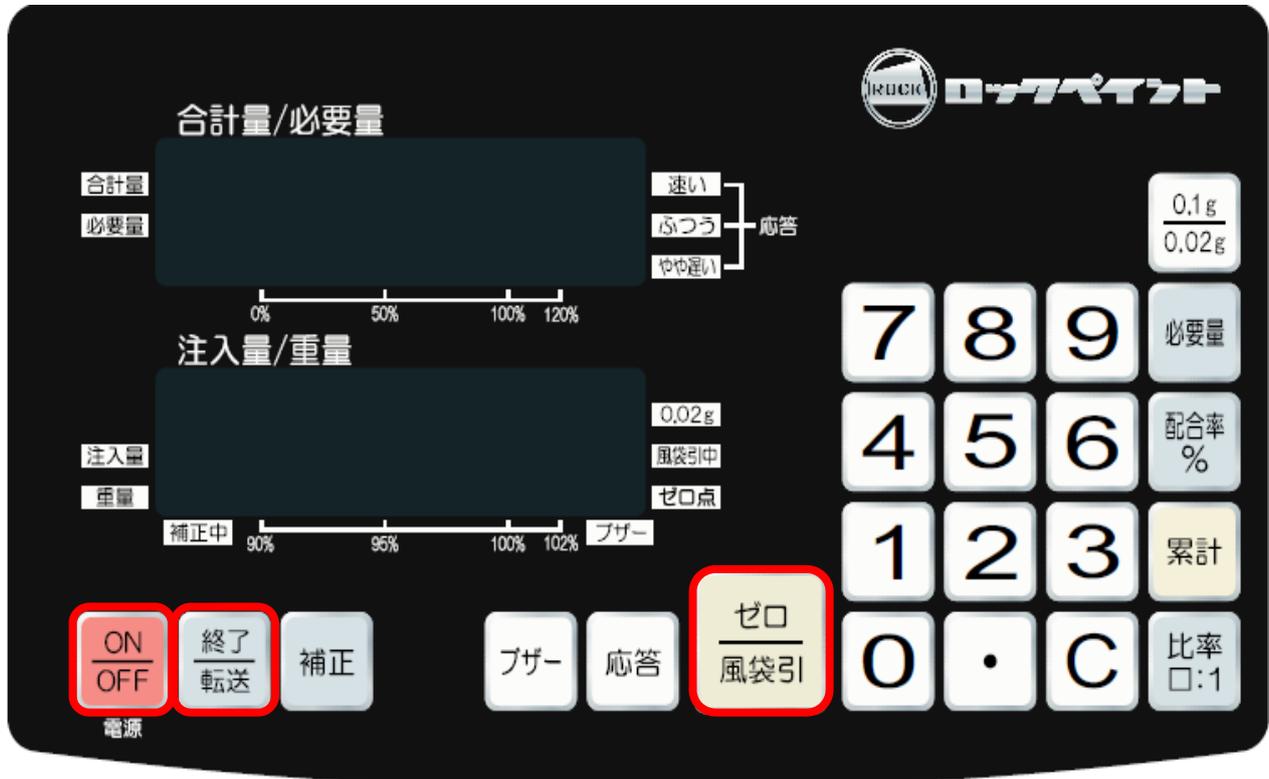
3. Color in  will be white when Bluetooth turn on.  
Swipe from top to bottom to close control center.

\*10 only applicable to more than iOS7 version



## Chapter 3 Connecting ROCK MICOM SCALE IV

### Function of operation panel



Only use 3 types of button    when connecting to AUTO COLOR Recipe.

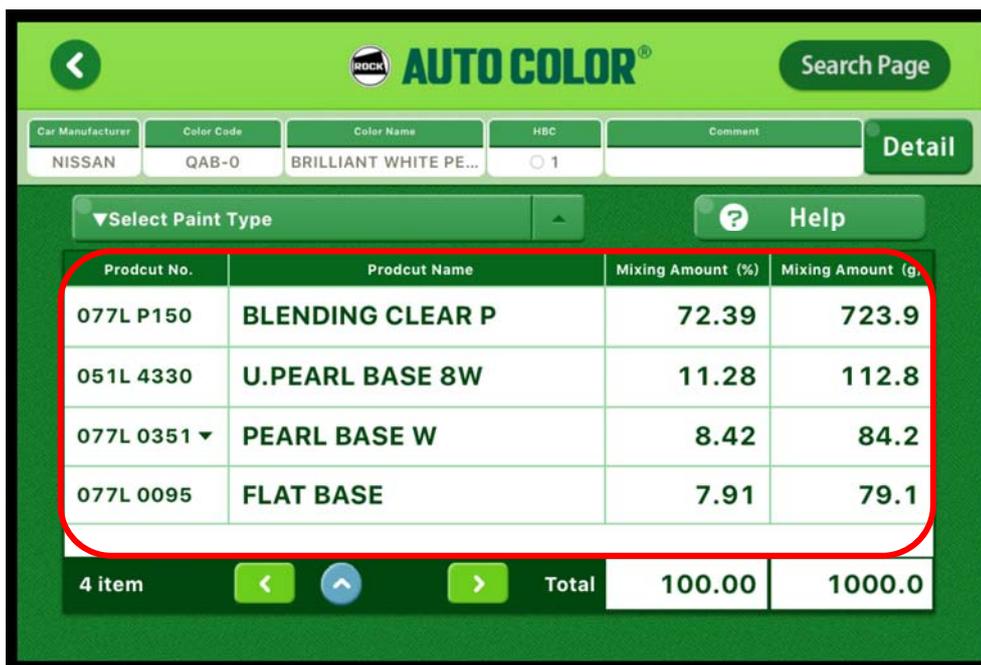
<div style="border: 1px solid red; padding: 2px; display: inline-block; text-align: center;">ON OFF</div>	Power ON/OFF.	<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">0.1g 0.02g</div>	Set minimum scale 0.1g or 0.02g. (0.02g only work at 0 - 1kg)
<div style="border: 1px solid red; padding: 2px; display: inline-block; text-align: center;">終了 転送</div>	End "Mixing mode" and back to "Mass mode" and transfer data to application.	<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">必要量</div>	Set amount of mixing weight required.
<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">補正</div>	Start "Correction mode".	<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">配合率 %</div>	Set mixing weight in %.
<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">ブザー</div>	"Warning Buzzer" ON/OFF.	<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">累計</div>	Cumulate total mixing weight when finished.
<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">応答</div>	Set speed of response of scale.	<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">比率 □:1</div>	Set mixing weight by ratio.
<div style="border: 1px solid red; padding: 2px; display: inline-block; text-align: center;">ゼロ 風袋引</div>	Adjust zero point or Tare	<div style="border: 1px solid gray; padding: 2px; display: inline-block; text-align: center;">C</div>	Cancel input number and display mixing tinter order.



## Chapter 4 Go to weighing screen

Input required amount, then go to weighing screen.

### Name & Function of tapping area (Color Mixing Data screen)

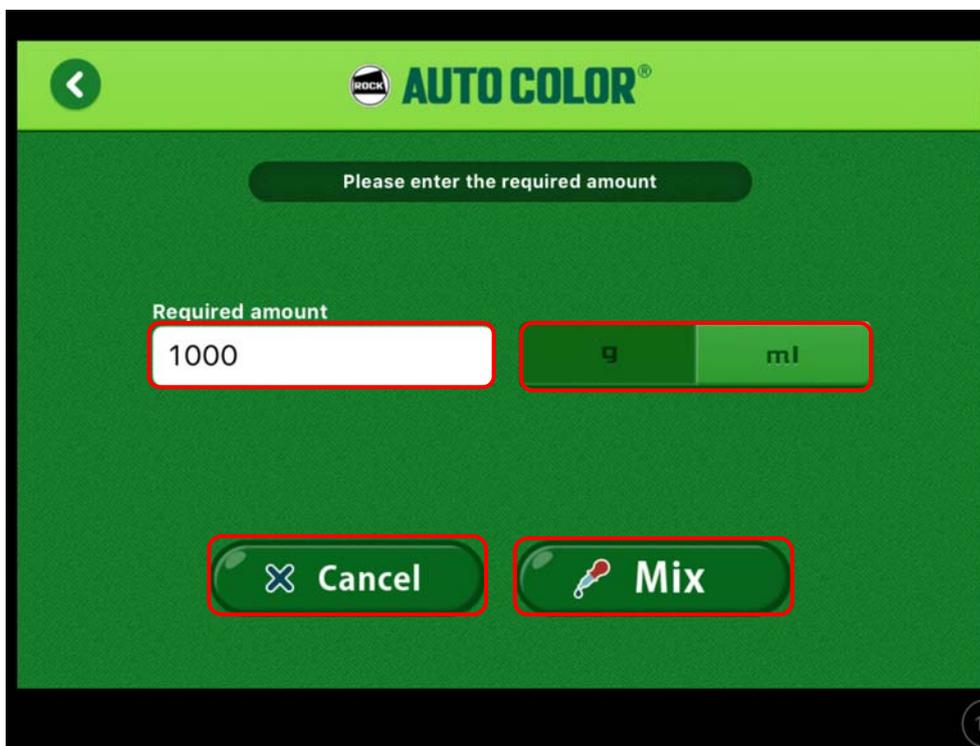


077L P150	BLENDING CLEAR P	72.39	723.9
051L 4330	U.PEARL BASE 8W	11.28	112.8
077L 0351 ▾	PEARL BASE W	8.42	84.2
077L 0095	FLAT BASE	7.91	79.1
Go to required amount input screen. (Full mixing data)		Change screen to required amount input screen.	



## Chapter 4 Go to weighing screen

### Name & Function of tapping area (Required amount input screen)



	Required amount input screen	Show required amount input screen <b>*11 *12</b>
	Change unit (g/ml)	Change unit
	Go to mixing screen	Go to mixing screen (Necessary to connect with scale)
	Cancel	Back to previous screen

**\*11** Only possible to use Alphanumeric single-byte. Keyboard layout may be different in using environment.

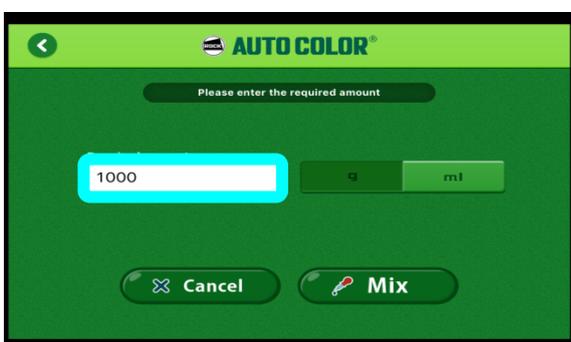
**\*12** Default is 1000g. Please change any number when using.



## Chapter 4 Go to weighing screen



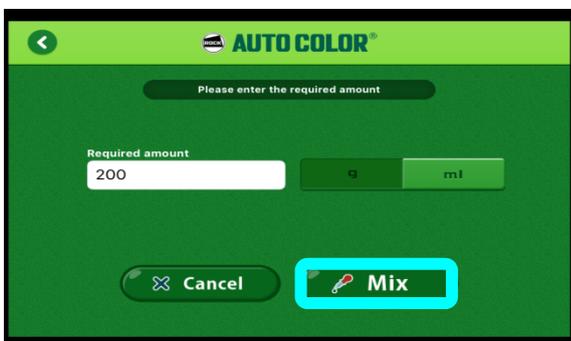
1. Tap screen that showing selected full mixing data



2. Tap required mixing amount box



3. Input required mixing amount, then tap Done button.  
(required amount set)  
**\*11**

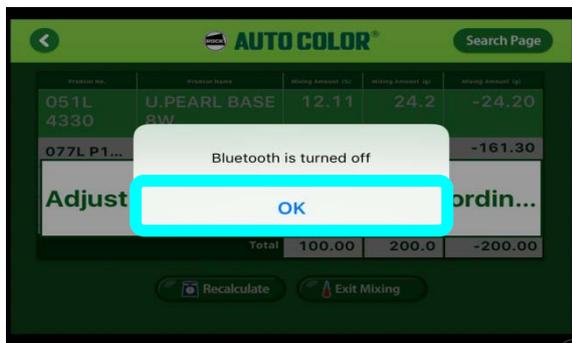


4. Tap Mix button to change to weighing screen.

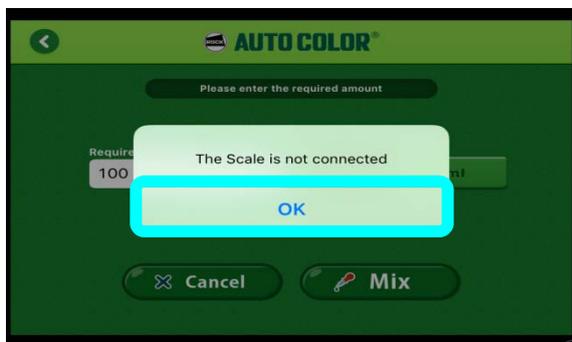
**\*11** Only possible to use Alphanumeric single-byte. Keyboard layout may be different in using environment.



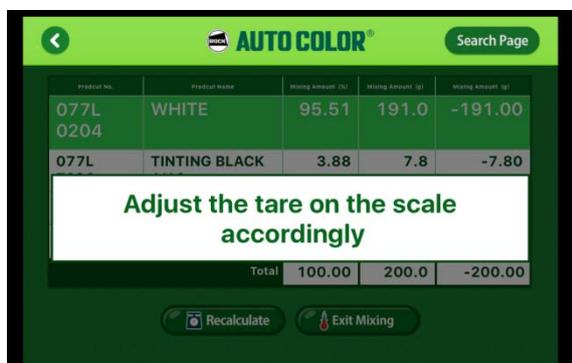
## Chapter 4 Go to weighing screen



- 4-1. If Bluetooth in terminal is off, following display will appear.  
Tap OK button, then turn on Bluetooth setting.



- 4-2. If Bluetooth in Scale is off, following error message will appear.  
Tap OK button, then turn on Bluetooth in Scale and re-connect.



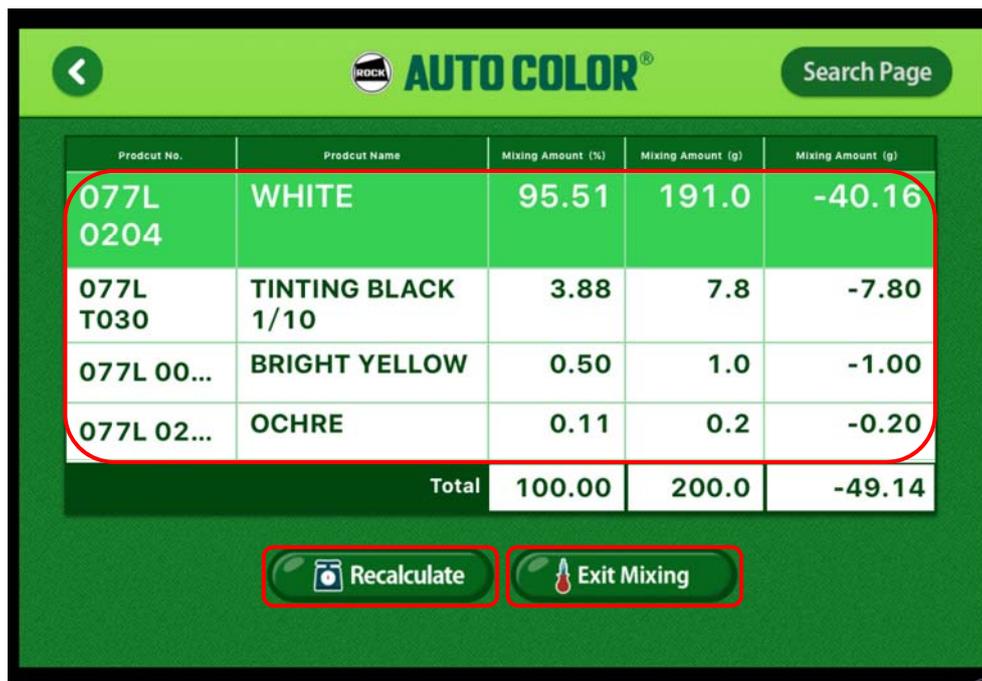
5. When Terminal and Scale connected, following screen will appear.



# Chapter 5 Mixing

Connect to ROCK MICOM SCALE IV and Mix

## Name & Function of tapping area (Mixing screen [list])

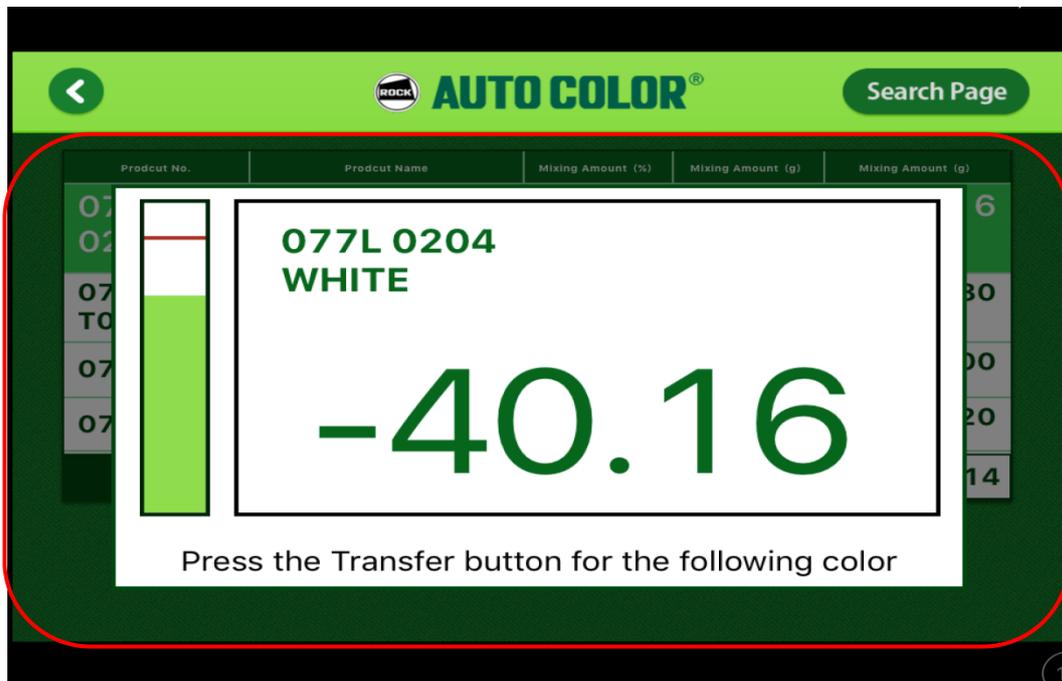


077L 0204	WHITE	95.51	191.0	-40.16
077L T030	TINTING BLACK 1/10	3.88	7.8	-7.80
077L 00...	BRIGHT YELLOW	0.50	1.0	-1.00
077L 02...	OCHRE	0.11	0.2	-0.20
Zoom mixing tint on display (Whole mixing amount data shown)	Zoom mixing data (change to Mixing screen {zoom])			
	Mixing completed	Finish mixing, then back to Search Condition Input Screen)		
	Re-Calculation	Correcting data if mix too much		



## Chapter 5 Mixing

### Name & Function of tapping area (Mixing screen [Zoom])

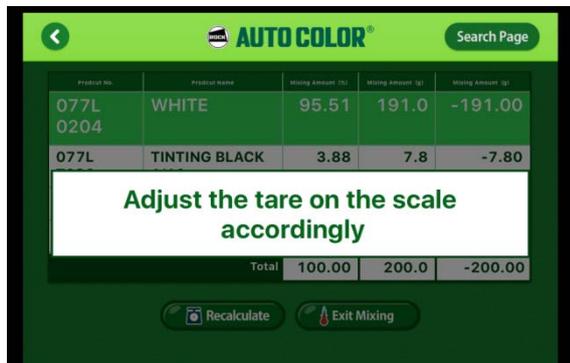


Go back to “Mixing screen [list]”  
(Whole Screen)

Go back to “Mixing screen [list]” when tap any area on the screen



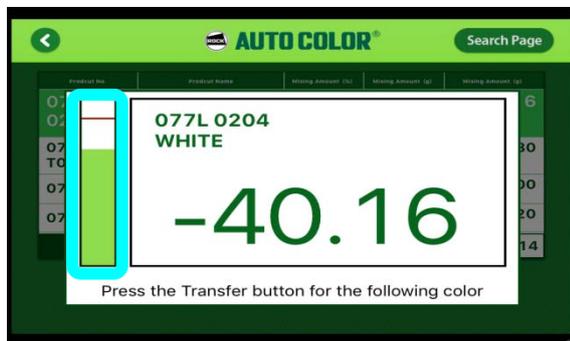
# Chapter 5-1 Standard Mixing



1. Following screen will appear after connect to Scale, then press button on the ROCK MICOM SCALE for tare.



2. Mixing tinter will shown green color. (Red Frame)  
Mixing tinter will be zoom if Tap mixing data in . \*13



3. Reference bar will shown at area. Press button on ROCK MICOM SCALE IV to go to next tinter when mixing completed.



4. Tap when complete mixing all tinter for close. (Go back to Search Condition Input Screen)

\*13 Tap any area on the screen if go back to "Mixing Screen [list]".



## Chapter 5-2 Correction Mixing

Product No.	Product Name	Mixing Amount (%)	Mixing Amount (g)	Mixing Amount (g)
077L 0204	WHITE	95.51	191.0	0.00
077L T030	TINTING BLACK 1/10	3.88	7.8	0.37
077L 0056	BRIGHT YELLOW	0.50	1.0	0.00
077L 0233	OCHRE	0.11	0.2	0.00
Total		100.00	200.0	0.00

1. Tap **Recalculate** for re-calculation if mix too much tinter.

Product No.	Product Name	Mixing Amount (%)	Mixing Amount (g)	Mixing Amount (g)
077L 0204	WHITE	95.51	200.1	-9.11
077L T030	TINTING BLACK 1/10	3.88	8.1	0.00
077L 00...	BRIGHT YELLOW	0.50	1.0	-0.05
077L 02...	OCHRE	0.11	0.2	-0.01
Total		100.00	209.5	-9.17

2. In this case, 077-T030 is mixed too much, so it does not show amount after re-calculated.

Product No.	Product Name	Mixing Amount (%)	Mixing Amount (g)	Mixing Amount (g)
077L 0204	WHITE	95.51	191.0	0.00
077L T030	TINTING BLACK 1/10	3.88	8.1	0.00
077L 0056	BRIGHT YELLOW	0.50	1.0	0.00
077L 0233	OCHRE	0.11	0.2	-0.00
Total		100.00	209.5	0.00

3. Tap **Exit Mixing** to close when completed all correction of mixing.  
**\*15**

**\*15** The amount in  will be different from original amount by correction mixing.





## ロックペイント 株式会社

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札幌営業所	〒003-0011	札幌市白石区中央一条4丁目3番48号	☎(011)812-2761	FAX (011)812-9304
仙台営業所	〒983-0044	仙台市宮城野区宮千代2丁目3番11号 渡正ビル201号室	☎(022)349-8677	FAX (022)283-3255
西関東営業所	〒252-0131	神奈川県相模原市緑区西橋本1丁目15番16号	☎(042)700-3111	FAX (042)700-3112
名古屋営業所	〒454-0059	名古屋市中川区福川町1丁目1番地	☎(052)351-6500	FAX (052)361-7433
岡山営業所	〒701-1134	岡山市北区三和1000番34	☎(086)294-1201	FAX (086)294-6966
福岡営業所	〒811-0119	福岡県糟屋郡新宮町緑ヶ浜3丁目2番1号	☎(092)962-0661	FAX (092)963-1241

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