Uni Ricoh OEM RF Chip Reset Operating Instruction V1.0

Contents

1. Feature

Automatically identify models, reset to the exact model without changing the color, yield, and region.

2. Ricoh 5200 Chip and JIG

Chip

The most stable sensing area (groove) for Ricoh wireless chips.

JIG

3. Operating Procedure

OEM Reset and OEM Check.

Make sure that the JIG is correctly aligned with the chip contacts.

Click 🔍 in the main interface to scan chips.

Figure 1

Figure 2

After the chip is successfully scanned, you can enter into the final operation interface. Click to switch functions "RESET" "CHECK" "SCAN" and press the "Confirm" button on the JIG or Unismart device to carry out the chip operation.
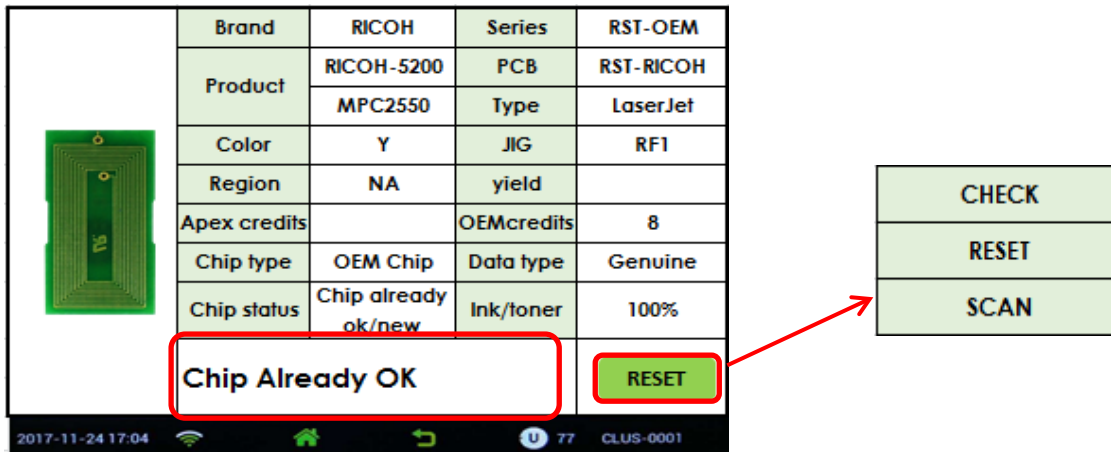
Brand	RICOH	Series	RST-OEM
Product	RICOH-5200	PCB	RST-RICOH
	MPC2550	Type	LaserJet
Color	Y	JIG	RF1
Region	NA	yield	
Apex credits		OEMcredits	8
Chip type	OEM Chip	Data type	Genuine
Chip status	Chip already ok/new	Ink/toner	100%

Chip Already OK **RESET**

CHECK
RESET
SCAN

2017-11-24 17:04 U 77 CLUS-0001

Figure 3

◆ Using 🔍 button to scan and check the chip information can only be realized in the main interface and final interface.

◆ The operating procedure above is for Ricoh-MPC2551series and it can also be applied to other PCB boards.

4. Notices for RF Chip Reset

4.1 Reset Instructions

◆ Ricoh 5200 series resettable chips automatically identify models, reset to the exact model without changing the color, yield, and region.

◆ When resetting chips, the specific printer model displayed on the device is the printer Apex has tested.

◆ When resetting chips, some models may display "Unknown" region but have results of "Reset OK". This type of chip can be normally worked, but its specific printer model cannot be determined because we don't have corresponding printers to test the chips.

◆ For the above two points, before resetting chips, it is recommended that customers distinguish the chips by using "SCAN" function. The chips display "Unknown" region can only be reset after confirming its applicable printer models.

◆ The cartridge installed with resetted chip will normally prompt "Toner is almost empty. Black" or "Add Toner: K" when there is low ink volume.

4.2 Notices

◆ The printer will remember a set of serial numbers, but the serial number can be washed out. It is recommended that end customers are best to cooperatively use 2 sets of resettable chips.

◆ Before and after resetting, OEM chip's installation displays and service life are the same.

◆ The chip should be placed in the specified sensing area (groove).

◆ It is not recommended to reset the chip directly on the toner cartridge since different chips have diverse sensing distance, which may lead to a risk of resetting instability.

◆ If the chip fails to reset by resetting the chip directly on the toner cartridge, please adjust the sensing distance and try it again or remove the chip to reset it in a fixed sensing area.

5. Code Hinting and Meaning

Code Hinting	Meaning	Analysis
Chip Already OK	Chip Already OK	/
Operation failed	Operation failed	①The chip is damaged. ②The JIG's probe does not align the contactors on the chip. ③The JIG is placed in the opposite direction.
Operation succeeded	Operation succeeded	/
Chip not match	Chip doesn't match	The chip that needs to be reset cannot select the current model.
Data not match	Data not match	①The chip is installed and its data is rewritten by the printer. ②The detected chip model doesn't match with the selected model on the Unismart device.
Chip is locked	Chip is locked	/
Chip's useful life is over	Chip's useful life is over	/
Brand new chip	Brand new chip	/
No chip detected	No chip detected	/
Wrong JIG ID	Wrong JIG ID	/

6. Model List

PCB code	Jig	Brand	Apex Product Code	OEM Product Code	Color	Yield	Region	For Use with
RST-RICOH-5200		Ricoh	MPC3300-BK-AU	841128	BK	20K	AU	Ricoh MPC3300
			MPC3501-BK-AU	841436	BK	22K	AU	Ricoh MPC3501
			MPC3501-Y-AU	841437	Y	15K		
			MPC3501-M-AU	841438	M	15K		
			MPC3501-C-AU	841439	C	15K		
			MPC5501-BK-NA	841582	BK	25.5K	NA	Ricoh MPC5501
			MPC5501-Y-NA	841453	Y	17K		
			MPC5501-M-NA	841454	M	17K		
			MPC5501-C-NA	841455	C	17K		
			MPC5000-BK-NA	841284	BK	23K	NA	Ricoh MPC5000
			MPC5001-BK-JP	600164	BK	10.4K	JP	Ricoh MPC5001
			MPC5001-Y-JP	600165	Y	7.6K		
			MPC5001-M-JP	600166	M	7.6K		
			MPC5001-C-JP	600167	C	7.6K		
			SP5200-BK-NA	406683	BK	25K	NA	Ricoh GSA SP5200DNG/GSA SP 5200SG/GSA SP 5200DN/SP 5200S/SP 5200SHT/SP 5200SHW
			SP430-BK-CHN	821233	BK	21K	CHN	Ricoh SPC430DN
			SP430-Y-CHN	821234	Y	24K		
			SP430-M-CHN	821235	M	24K		
			SP430-C-CHN	821236	C	24K		
			SP435-BK-NA	821243	BK	11K	NA	Ricoh SPC435DN
			SP435-Y-NA	821244	Y	13K		
			SP435-M-NA	821245	M	13K		
			SP435-C-NA	821246	C	13K		
			MPC3000-K	810407	K	20K	/	Ricoh MPC3000
			MPC3000-C	823418	C	15K		
			MPC3000-M	836429	M	15K		
			MPC3000-Y	849430	Y	15K		
			MPC3000-M-EUR	884948	M	15K	EUR	Ricoh MPC3000
			MPC3000-M-EUR	884956	M	15K		
			MPC3000-K-AU	888640	K	20K	AU	Ricoh MPC3000
			MPC3000-Y-AU	888641	Y	15K		
			MPC3000-M-AU	888642	M	15K		
			MPC3000-C-AU	888643	C	15K		
			MPC3000-M-AU	888666	M	15K		
			MPC3000-K-AU	888664	K	20K		
			MPC3000-K-NA	841338	K	20K	NA	Ricoh MPC3000
			MPC3000-Y-NA	841339	Y	15K	NA	
			MPC3000-M-NA	841340	M	15K	NA	
			MPC3000-C-NA	841341	C	15K	NA	
			MPC3000-M-NA	888638	M	15K	NA	
			MPC3000-K-NA	841276	K	20K	NA	Ricoh MPC3000
			MPC3501-C	829496	C	15K	/	Ricoh MPC3501
			MPC3501-M-NA	841422	M	15K	NA	Ricoh MPC3501
			MPC4500-C-JP	625061	C	17K	JP	Ricoh MPC4500
			MPC4500-M-JP	634177	M	17K	JP	
			MPC4500-Y-JP	646871	Y	17K	JP	
			MPC4500-BK-NA	841342	BK	23K	NA	Ricoh MPC4500
			MPC4500-Y-NA	841343	Y	17K	NA	
			MPC4500-M-NA	841344	M	17K	NA	

	Ricoh	MPC4500-Y-UK	884931	Y	17K	UK	Ricoh MPC4500
		MPC4500-K-UK	884934	K	23K	UK	
		MPC4500-Y-UK	884935	Y	17K	UK	
		MPC4500-M-UK	884936	M	17K	UK	
		MPC4500-C-UK	884937	C	17K	UK	
		MPC4500-M-UK	884944	M	14.17K	UK	
		MPC4500-K-EUR	888608	K	23K	EUR	Ricoh MPC4500
		MPC4500-Y-EUR	888609	Y	17K	EUR	
		MPC4500-M-EUR	888610	M	17K	EUR	
		MPC4500-Y-CHN	888633	Y	17K	CHN	Ricoh MPC4500
		SP5200-K	400065	K	25K	/	Ricoh SP5200
		SP430-BK-NA	821070	BK	21K	NA	Ricoh SPC430DN
		SP430-Y-NA	821071	Y	24K		
		SP430-M-NA	821072	M	24K		
		SP430-C-NA	821073	C	24K		
		SP430-BK-EUR	821204	BK	21K	EUR	Ricoh SPC430DN
		SP430-Y-EUR	821205	Y	24K		
		SP430-M-EUR	821206	M	24K		
		SP430-C-EUR	821207	C	24K		
		SP430-Y-EUR	821095	Y	24K		