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OS RECOVERY SOP

SRG-3352 & SRG-3352C Series

Date: 2021/7/31

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Part A: Prepare the recovery SD card

Step 1: Prepare micro SD card

Prepare a micro SD card that the capacity above 8 GB, and insert into the laptop via SD card reader.

Step 2: Download the recovery image

Please download the image file from the website and use the free tools "balenaEther" to flash the image file into the SD card.

The tool could find on the official website: https://www.balena.io/etcher/

Step 3: Select the image file.



Step 4: Select the SD card device.





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Step 5: Click the "Flash" to make the recovery SD card.



Step 6: Wait until the flashing process done.





Part B: Setup the gateway to boot from the SD card

This part is for the SRG-3352 or 3352C series which running Debian 9 version.

Step 1: Login into the gateway: (For Debian 9 ver. User/pass ----> root/AAEONiot2017)



Step 2: Execute the following command to force the gateway to boot from SD card. dd conv=fsync if=/dev/zero of=/dev/mmcblk1 bs=1M count=1 Caution: This action will erase the data from the eMMC, please do the data backup when doing this action.



Step 3: After executed the command, key in "*shutdown now*" to shut down the gateway.

1048576 bytes (1.0 MB, 1.0 MiB) copied, 0.269326 s, 3.9 MB/s root@SRT3352:~# shutdown now							
Error reading from serial device							
Session stopped - Press <return> to exit tab - Press R to restart session - Press S to save terminal output to file</return>							
Session stopped - Press <return> to exit tab - Press R to restart session - Press S to save terminal output to file</return>							



Part C: Recovery the OS from the SD card

This part is for the SRG-3352 or 3352C series which boot up from the SD card which running Debian 10 version.

Step 1: Insert the SD card and power up the gateway.

If the gateway successful boot up from the SD card, it will show "COM" port in the hardware manager like this:



Step 2: Login to the gateway using the following information:

Login Settings				
Username	aaeon			
Password	aaeon			





Step 3: Setup the config for SRG-3352.

<i></i> ЖТhe Step	3 is only for making SRG-3352 Recovery SD card.	
The other S	KU would skip this step.	
Use the follo	wing command to setup the config for SRG-3352.	
sudo /opt/: board_nar	scripts/tools/to3352.sh; sudo srg52cfg -f -nSRG ne SRG-3352	-3352; sudo fw_setenv
aaeon@SRG-33520	:~\$ sudo /opt/scripts/tools/to3352.sh; sudo srg52cfg -f -nSRG-3352;su	do fw_setenv board_name SRG-3352
We trust you ha Administrator.	ve received the usual lecture from the local System It usually boils down to these three things:	
#1) Respect #2) Think b #3) With gr	the privacy of others. efore you type. eat power comes great responsibility.	
[sudo] password SRG-3352 Environment OK, Created symlink Created symlink complete settin SRG-3352 Environment OK,	for aaeon: copy 1 /etc/systemd/system/srg52c-bluetooth.service → /dev/null. /etc/systemd/system/srg52c-wlan0.service → /dev/null. g image for SRG-3352 copy 1	

Step 4: Flash the OS from SD card

Use the following command to flash the OS from the SD card. Then enter the password to continue if necessary.

sudo /opt/scripts/tools/srg3352c_emmc_flasher.sh

aaeon@SRG-33	52C:~\$ si	obu	/opt/s	cri	ots/t	ools/srg3352c_emmc_flasher.sh		
rootfs drive: mmcblk0p2								
copying: [/dev/mmcblk0] -> [/dev/mmcblk1]								
NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT		
mmcblk0	179:0	Θ	7.4G	Θ	disk			
⊢mmcblk0p1	179:1	Θ	32M	Θ	part			
-mmcblk0p2	179:2	Θ	700.9M	Θ	part	1		
mmcblk1	179:8	Θ	7.3G	Θ	disk			
mmcblk1boot0	179:16	Θ	512K	1	disk			
mmcblk1boot1	179:24	Θ	512K		disk			
erase all data of EMMC								

Wait until the flashing process done and it will show the prompt again like this:



And it will automatic shutting down the gateway. If the gateway still power on then key in the "sudo shutdown now" to power down the gateway and remove the SD card from the gateway.



Step 5: Confirm the new OS is OK.

Power up the gateway and login to the gateway, if you can see the welcome message, the

