

# BIOS Release Notes

## TITLE

**SUBJECT:** MR11-LC0 BIOS Release Notes version [R05](#)

**System:** [R161-R12-00](#), [R161-R13-00](#)

### About This Release

**Build Date:** [2021/4/6](#)

**BIOS Checksum:** [0xC4932945](#) (16M), [0xB9B8640D](#) (32M)

**Release Owner:** ant.wei

### BIOS Components/Contents

**Processor stepping(s) supported:** Intel® Skylake-X, CascadeLake-X processors

**System hardware configurations supported:** MR11-LC0

**Microcode updates versions:**

CPUID	Family	Microcode Update ID
<a href="#">50650</a>	<a href="#">SkyLake Processor A-1 (50650)</a>	<a href="#">8000002B</a>
<a href="#">50651</a>	<a href="#">SkyLake Processor A-2 (50651)</a>	<a href="#">8000002B</a>
<a href="#">50652</a>	<a href="#">SkyLake Processor B-0, L-0 (50652)</a>	<a href="#">80000037</a>
<a href="#">50654</a>	<a href="#">SkyLake Processor H-0, M-0, U-0 (50654)</a>	<a href="#">02006A0A</a>
<a href="#">50655</a>	<a href="#">Cascade Lake A-0 (50655)</a>	<a href="#">03000010</a>
<a href="#">50656</a>	<a href="#">Cascade Lake B-0 (50656)</a>	<a href="#">04003006</a>
<a href="#">50657</a>	<a href="#">Cascade Lake B-1 (50657)</a>	<a href="#">05003006</a>

**IPMI support:**

**AMI Kernel version:** [Gbt\\_Kernel\\_010\\_59](#)

**Intel CSI/MRC Package version:** [2.0.44.50](#)

**SPI Descriptor version:** [11.12.77.1664](#)

**OPROM version :**

OPROM	Version
AST2500 VGA	1.09.00
INTEL 1G PXE	1.5.53
INTEL 1G LAN EFI	8.5.21

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MR11-LC0\_[R05](#).zip to a bootable diskette that use FAT/FAT32 format

#### BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

1. Insert USB flash drive to system for BIOS upgrade.

## BIOS Release Notes

2. Power on system and boot to Build-In Shell.
3. Enter your USB filesystem, like "fs0:" or "fsx:", "x" is your USB filesystem number
4. Execute F.nsh for bios update
5. After bios flash finish, system must Power-Off to have the changes take effect.

### BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell.
3. Enter \Tool\Win32 and execute f.bat for Windows 32bit.  
Or  
Enter \Tool\Win64 and execute f.bat for Windows 64bit.
4. After bios flash finish, system must Power-Off to have the changes take effect.

### BIOS UPDATE FOR Easy BIOS Refresh:

1. The system supports remotely update BIOS if BMC existent.
2. Please download the Easy BIOS Refresh User Guide from Gigabyte website, target system support page.

### BIOS Version CHECK INSTRUCTIONS:

1. Power on system and press <DEL> during POST
2. The bios version shows on the first main page

## Known Issues/Workarounds

## Issues fixed in this version

### R05

1. Fixed F9 Load default fail problem.
2. Modify OC setting reboot behavior.

### R04

1. Update Microcode:  
Update microcode: CPU ID: 50654, Microcode Version: 02006A0A  
Update microcode: CPU ID: 50656, Microcode Version: 04003006  
Update microcode: CPU ID: 50657, Microcode Version: 05003006
2. Modify VR chip SVID mode switch behavior.

### R03

1. Update VR binary version T06b.
2. Modify OC rule.

### R02

1. Fixed web ui information wrong problem.
2. Fixed disable ME hang problem

### R01

## BIOS Release Notes

1. Release R01 BIOS.

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### T04

1. Adjust Setup Menu OC Config page
2. Update RC 2.0.44.50
3. Update Microcode:  
Update microcode: CPU ID: 50654, Microcode Version: 02000069  
Update microcode: CPU ID: 50656, Microcode Version: 04002F00  
Update microcode: CPU ID: 50657, Microcode Version: 05002F00
4. Fix WDT feature for OC can not work problem.
5. Fixed Save/restore profile to USB feature can not work problem

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### T03

1. Fix bits-2079 test SMI fail
2. Fix legacy PXE fail
3. Fix NMI function fail

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### T02

1. Fix SVID Support disable hang problem
2. Fix Setup Menu no power Policy page problem

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### T01

1. First version
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