

# BIOS Release Notes Form

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<b>Product Name</b>	<b>X12DGO-6</b>
<b>Release Version</b>	<b>1.4b SPS: 4.4.4.301</b>
<b>Build Date</b>	<b>1/9/2023</b>
<b>Previous Version</b>	<b>1.4a</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), RC.</li><li>2. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), SPS.</li><li>3. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), ACM.</li><li>4. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), SINIT.</li><li>5. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), CPU 606A6 Microcode.</li><li>6. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), Intel VROC UEFI.</li><li>7. Updated Intel BKC to 2022_WW46(KIT #750969) PLR3 Out Of Band (OOB), Intel PMEM UEFI.</li><li>8. Updated BIOS revision to 1.4b.</li></ol>
<b>New features</b>	<b>None</b>

Fixes	<ol style="list-style-type: none"> <li>1. Fixed NVMe hotplug functionality on ports 2 and 3.</li> <li>2. Fixed error where Factory Mode cannot be set.</li> <li>3. Fixed NVMe4 and NVMe5 hotplug.</li> </ol>
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**Release Notes from Previous Release(s)**

**1.4a (10/25/2022)**

1. Updated Intel BKC to 2022\_WW40(KIT #743788) PLR3, RC.
2. Updated Intel BKC to 2022\_WW40(KIT #743788) PLR3, SPS.
3. Updated Intel BKC to 2022\_WW40(KIT #743788) PLR3, ACM.
4. Updated Intel BKC to 2022\_WW40(KIT #743788) PLR3, SINIT.
5. Updated Intel BKC to 2022\_WW40(KIT #743788) PLR3, CPU 606A6 Microcode.
6. Updated Intel BKC to 2022\_WW40(KIT #743788) PLR3, Intel VROC UEFI.
7. Updated Intel BKC to 2022\_WW40(KIT #743788) PLR3, Intel PMEM UEFI.

**1.4 (9/15/2022)**

1. Updated Intel BKC to 2022\_WW23(KIT #732569), RC.
2. Updated Intel BKC to 2022\_WW23(KIT #732569), SPS.
3. Updated Intel BKC to 2022\_WW23(KIT #732569), ACM.
4. Updated Intel BKC to 2022\_WW23(KIT #732569), SINIT.
5. Updated Intel BKC to 2022\_WW23(KIT #732569), CPU 606A6 Microcode.
6. Updated Intel BKC to 2022\_WW23(KIT #732569), Intel VROC UEFI.
7. Updated Intel BKC to 2022\_WW23(KIT #732569), Intel PMEM UEFI.
8. Exposed Link Retrain per port in the BIOS.
9. Exposed CPU1 information in the BIOS.
10. Exposed PCH VMD in the BIOS to enable M.2 RAID.

**1.1b (11/10/2021)**

1. Updated Intel BKC to 2021\_WW39 (KIT #653811), RC.
2. Updated Intel BKC to 2021\_WW39 (KIT #653811), SPS.
3. Updated Intel BKC to 2021\_WW39 (KIT #653811), ACM.
4. Updated Intel BKC to 2021\_WW39 (KIT #653811), SINIT.
5. Updated Intel BKC to 2021\_WW39 (KIT #653811), CPU 606A6 Microcode.
6. Updated Intel BKC to 2021\_WW39 (KIT #653811), Intel VROC UEFI.
7. Updated Option ROM for NULL UEFI driver.

**1.1a (7/16/2021)**

1. Changed BIOS revision to 1.1a.
2. Updated Intel BKC to 2021\_WW24 (KIT #642595), RC.
3. Updated Intel BKC to 2021\_WW24 (KIT #642595), SPS.

4. Updated Intel BKC to 2021\_WW24 (KIT #642595), ACM.
5. Updated Intel BKC to 2021\_WW24 (KIT #642595), SINIT.
6. Updated Intel BKC to 2021\_WW24 (KIT #642595), CPU 606A6 Microcode.
7. Fixed inability to detect TPM1.2 when TXT is enabled.

#### **1.1 (5/24/2021)**

1. Changed BIOS revision to 1.1.
2. Updated Intel BKC to 2021\_WW15 (KIT #638738).
3. Optimized X550 AIOM.
4. Added support for updating BPS firmware in BIOS.
5. Added support for OPROM control over Boot Mode.

#### **1.0b (3/11/2021)**

1. Changed BIOS revision to 1.0b.
2. Updated Intel BKC to 2021\_WW06 (KIT #1002305).
3. Updated 250 microcode for CPU 606A6.
4. Added support for identifying D-stepping CPU as D0/D1/D2.
5. Fixed issue with NVMe hotplug.
6. Fixed inability of Linux to boot when enabling PCH NVMe in VMD mode.

#### **1.0a (1/21/2021)**

1. Changed BIOS revision to 1.0a.
2. Updated Intel BKC to WW51'20.
3. Reworked BIOS template to match version 0.8.
4. Reworked VMD settings page.
5. Restored USB 2.0 and 3.0 settings to pass IOBP test.