# Slingbox IRIS

# Release History

**Distribution- list**

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| To | Madhu Gorle; Bharat Aindla; Kiran Krupakar; Sukriti Bakshi; Sachin Baburao Ande; Kathija Naseem; Trifon Valtchev |
| Cc | \_BTC Engg Leadership Team; Ilya Asnis; Raghu Tarra; Alex Gurzhi; Rick Carini; Stephan Richard; Srinivasa R. Kaka; Bijay Rajanna; Vimalraj Ganesan; Senthilkumar Krishna Doss; Janarthanan Natarajan; Aparna A. Sarma; Gireesh Kumar M; Conrad S J. Gomes; Narayana Rao; Kamlesh Ajmere; Alexander Uchitel; Arkady Balter; Sasha(Alex) Goldobin; Andrey L. Abramov; Pavan Kumar Thatha; Dushyant Gaur; Sachin D. Mule; Madan Mohan Nayak; Brian Lucas; |
| Contact person | Pavan Kumar Thatha; Vimalraj Ganesan |

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| Version  Date | 2.1.10  04 November 2010 |
| Release Candidate | **CM** |
| Location of Release | Following 2 firmwares are created additionally to cover various test scenarios.  2.1.10 – crc : -1421961666 size : 3801152  **2.1.11 – Current image with cloud based firmware upgrade support with default firmware upgrade enabled.**  2.1.11 – crc : 863250508 size : 3801152  **2.1.12 – Current image with cloud based firmware upgrade support with default firmware upgrade disabled.**  2.1.12 – crc : -149537469 size : 3801152  BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_11\_04\_V2\_01\_10](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_11_04_V2_01_10)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_11_04_V2_01_10/> |
| Base version | **2.0.10** dated 13 Sep 2010 |
| Known Issues | * H264 codec streaming increased the CPU load compared to WMV, Missing CC content because of CPU load raise is expected especially at High resolutions VGA, HVGA. |
| Fixed Issues | * [SBFW-547](https://jira.slingmedia.com/browse/SBFW-547) **-  Slingbox is not getting connected through Symbian SPM over WAN.** * [SBFW-556](https://jira.slingmedia.com/browse/SBFW-556) **-** No error code is sent if the size in the FIs is larger than the size of the firmware. * [SBFW-558](https://jira.slingmedia.com/browse/SBFW-558) **-  next-check-seconds is treated as milliseconds instead of seconds when the box is streaming and a normal update of firmware is available.** * [SBFWDEV-122](https://jira.slingmedia.com/browse/SBFWDEV-122) - SPARCS Based Control for HTTP Streaming. * [SBFWDEV-145](https://jira.slingmedia.com/browse/SBFWDEV-145) - Update Box config status to SPARCS. * [SBFWDEV-146](https://jira.slingmedia.com/browse/SBFWDEV-146) - IRIS: LAN, WAN, subscription bit changes. |
| Feature Added | * Apple HTTP support. |
| Feature Updated | * None. |
| Feature Removed | * None. |
| Specific instructions to QA (if any) | 1. Master Image needs to be verified for CM validation. 2. Sanity tests for Apple HTTP. 3. Rest of the features please run full cycle. |
| Classification | * AUSTIN & Apple HTTP |
| Dependency/  Environment /  Component | * None |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes (Not Tested) |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | None |

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| Version  Date | 2.0.10  13 September 2010 |
| Release Candidate | **BETA** |
| Location of Release | Following 2 firmwares are created additionally to cover various test scenarios.  2.0.10 – crc : -1266677136 size : 3670080  **2.0.11 – Current image with cloud based firmware upgrade support with default firmware upgrade enabled.**  2.0.11 – crc : 1658560201 size : 3670080  **2.0.12 – Current image with cloud based firmware upgrade support with default firmware upgrade disabled.**  2.0.12 – crc : 425976012 size : 3670080  BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_09\_13\_V2\_00\_10](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_09_13_V2_00_10)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_09_13_V2_00_10> |
| Base version | **1.3.40** dated 13 Apr 2010 |
| Known Issues | * H264 codec streaming increased the CPU load compared to WMV, Missing CC content because of CPU load raise is expected especially at High resolutions VGA, HVGA. |
| Fixed Issues | 1. [SBFW-377:](https://jira.slingmedia.com/browse/SBFW-377) CBFU: next\_sec field has to be renamed to next\_check\_seconds; "read-attempts" and "write-attempts" field have to be used as retrial attempt in failure cases. New field "cbfu\_session\_id" has to be added to make a link between different analytics table. 2. [SBFW-389:](https://jira.slingmedia.com/browse/SBFW-426) CBFU change requirement: During a periodic check, if a normal upgrade is indicated and the user is currently streaming, wait till inactive seconds after the user finishes streaming and then perform (download and apply) the update. 3. [SBFW-425:](https://jira.slingmedia.com/browse/SBFW-425) Change the CBFU analytics field from "upgrade\_finished" to "download\_time". 4. [SBFW-426:](https://jira.slingmedia.com/browse/SBFW-426) In relay component, set TCP Keep alive for reserved connection. 5. [SBFW-444](https://jira.slingmedia.com/browse/SBFW-444): Disable USB code getting added in the binary. 6. [SBFW-467:](https://jira.slingmedia.com/browse/SBFW-467) Update the Analytics-CBFU error codes in the logging. |
| Feature Added | * AUSTIN support. |
| Feature Updated | * Lebowski 3.0 enabled. |
| Feature Removed | * USB functionality. |
| Specific instructions to QA (if any) | 1. Sanity tests for AUSTIN. 2. Rest of the features please run full cycle. |
| Classification | * CBFU & Lebowski 3.0 |
| Dependency/  Environment /  Component | * None |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes (Not Tested) |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | None |

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| Version  Date | 1.3.40  13 Apr 2010 |
| Release Candidate | **CM** |
| Location of Release | Following 2 firmwares are created additionaly to cover various test scenarios.  **1.3.41 – Current image with cloud based firmware upgrade support with default firmware upgrade enabled.**  **1.3.42 – Current image with cloud based firmware upgrade support with default firmware upgrade disabled.**  BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_04\_13\_V\_1\_3\_40](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_04_13_V_1_3_40)  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_04\_13\_V\_1\_3\_41](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_04_13_V_1_3_41)  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_04\_13\_V\_1\_3\_42](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_04_13_V_1_3_42)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_04_13_V_1_3_40/>  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_04_13_V_1_3_41/>  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_04_13_V_1_3_42/> |
| Base version | **1.3.20** dated 12 Mar 2010 |
| Known Issues | 1. H264 codec streaming increased the CPU load compared to WMV, Missing CC content because of CPU load raise is expected especially at High resolutions VGA, HVGA. |
| Fixed Issues | 1. [SBFW-](https://jira.slingmedia.com/browse/SBFW-317)291: Subscrption Schema for iris is not getting applied,when the box is in unconfigured status 2. CBFU Analytics changed from QA to PROD. |
| Feature Added | * None |
| Feature Updated | 1. None |
| Feature Removed | * None |
| Specific instructions to QA (if any) | 1. FIS server is config services, for each new firmware version configuration has to be created or updated with firmware details. (<http://services.sling.com/configservices/rest/v2/configuration/>) 2. Firmware images have to be stored in http server setup by IT team for FDS   <http://btcqarelaysrv.sling.com/>   1. Please upload the f/w images at /usr/local/apache2.2/htdocs/CBFU on the FDS. |
| Classification | * Lebowski 2.7 enabled |
| Dependency/  Environment /  Component |  |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | None |

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| Version  Date | 1.3.20  12 Mar 2010 |
| Release Candidate | **Internal** |
| Location of Release | Following 2 firmwares are created additionaly to cover various test scenarios.  **1.3.21 – Current image with cloud based firmware upgrade support with default firmware upgrade enabled.**  **1.3.22 – Current image with cloud based firmware upgrade support with default firmware upgrade disabled.**  BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_03\_12\_V\_1\_3\_20](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_03_12_V_1_3_20)  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_03\_12\_V\_1\_3\_21](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_03_12_V_1_3_21)  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_03\_12\_V\_1\_3\_22](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_03_12_V_1_3_22)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_03_12_V_1_3_20/>  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_03_12_V_1_3_21/>  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_03_12_V_1_3_22/> |
| Base version | **1.3.10** dated 09 Mar 2010 |
| Known Issues | 1. H264 codec streaming increased the CPU load compared to WMV, Missing CC content because of CPU load raise is expected especially at High resolutions VGA, HVGA. |
| Fixed Issues | 1. [**SBFW-317**](https://jira.slingmedia.com/browse/SBFW-317): Slingbox is continuously rebooting after firmware upgrade from ver 1.3.10 to ver1.3.11 firmware. 2. [**SBFW-318**](https://jira.slingmedia.com/browse/SBFW-318)**:**Slingbox fails to download complete firmware via cloud. This issue is observed consistently on only one of the Iris Slingbox. |
| Feature Added | 1. None |
| Feature Updated | 1. None |
| Feature Removed | 1. None |
| Specific instructions to QA (if any) | 1. FIS server is config services, for each new firmware version configuration has to be created or updated with firmware details. (<http://services.sling.com/configservices/rest/v2/configuration/>) 2. Configuration will have fields similar to json files used for last release. 3. Firmware images have to be stored in http server setup by IT team for FDS   <http://btcqarelaysrv.sling.com/>   1. Cloud based upgrade testing is done for various test cases covered in the test report document “SbPbFirmwareTestProcedure\_Iris\_v1.03.20.xlsx” |
| Classification | * Lebowski 2.7 enabled |
| Dependency/  Environment /  Component |  |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | None |

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| Version  Date | 1.3.10  09 Mar 2010 |
| Release Candidate | **Internal** |
| Location of Release | Following 2 firmwares are created additionaly to cover various test scenarios.  **1.3.11 – Current image with cloud based firmware upgrade support with default firmware upgrade enabled.**  **1.3.12 – Current image with cloud based firmware upgrade support with default firmware upgrade disabled.**  BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_03\_09\_V\_1\_3\_10](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_03_09_V_1_3_10)  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_03\_09\_V\_1\_3\_11](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_03_09_V_1_3_11)  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_03\_09\_V\_1\_3\_12](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_03_09_V_1_3_12)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_03_09_V_1_3_10/>  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_03_09_V_1_3_11/>  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_03_09_V_1_3_12/> |
| Base version | **1.3.04** dated 05 Jan 2010 |
| Known Issues | 1. H264 codec streaming increased the CPU load compared to WMV, Missing CC content because of CPU load raise is expected especially at High resolutions VGA, HVGA. |
| Fixed Issues | 1. [SBFW-297](https://jira.slingmedia.com/browse/SBFW-297): IRIS: 'Slingbox is becoming unconfigured if user powercycles the box at the time of firmware upgrade from cloud. 2. [SBFW-298](https://jira.slingmedia.com/browse/SBFW-298):IRIS: Slingbox connects with only SUDP connection after long durations of streaming. 3. [SBFW-295](https://jira.slingmedia.com/browse/SBFW-295): Iris: 'Timer' set for firmware download failure from 'FDS' is not according to the requirement document. |
| Feature Added | 1. None |
| Feature Updated | 1. Cloud based firmware upgrade : This feature is to support automatic f/w upgrade from backend servers for subscription based models.  * Updated according to new specification * Added HTTP redirect support. * Added backend logging   Updated specification can be found in the following links.   * [**https://slingcms.slingmedia.com/?q=cloudBasedFU-Requirements**](https://slingcms.slingmedia.com/?q=cloudBasedFU-Requirements) * [[**https://slingcms.slingmedia.com/drupal/?q=cloudBasedFU-Logging**](https://slingcms.slingmedia.com/?q=cloudBasedFU-Logging)](https://slingcms.slingmedia.com/?q=cloudBasedFU-Logging) |
| Feature Removed | 1. None |
| Specific instructions to QA (if any) | 1. FIS server is config services, for each new firmware version configuration has to be created or updated with firmware details. (<http://services.sling.com/configservices/rest/v2/configuration/>) 2. Configuration will have fields similar to json files used for last release 3. Firmware images have to be stored in test http server which can be used as FDS <http://in0325-01.slingmedia.com/>. When real FDS setup is ready, fds url has to be updated in FIS configuration. No changes required in firmware. 4. Cloud based upgrade testing is done for various test cases covered in the test report document “SbPbFirmwareTestProcedure\_Iris\_v1.03.10.xlsx” |
| Classification | * Lebowski 2.7 enabled |
| Dependency/  Environment /  Component |  |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | SlingNet dll tested with : 1.3.22 |

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| Version  Date | 1.3.4, 1.3.5 & 1.3.6  05 Jan 2010 |
| Release Candidate | **Internal** |
| Location of Release | Following 3 firmwares are created to cover various test scenarios.  **1.3.4 – Master image with cloud based firmware upgrade support**  **1.3.5 – Current image with cloud based firmware upgrade support with default firmware upgrade enabled.**  **1.3.6 – Current image with cloud based firmware upgrade support with default firmware upgrade disabled.**  BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_01\_05\_V1\_3\_04\_temp](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_01_05_V1_3_04_temp)  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_01\_05\_V1\_3\_05\_temp](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_01_05_V1_3_05_temp)  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010\_01\_05\_V1\_3\_06\_temp](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2010_01_05_V1_3_06_temp)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_01_05_V1_3_04_temp/>  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_01_05_V1_3_05_temp/>  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2010_01_05_V1_3_06_temp/> |
| Base version | **1.0.20** dated 22 Oct 2009 |
| Known Issues | 1. H264 codec streaming increased the CPU load compared to WMV, Missing CC content because of CPU load raise is expected especially at High resolutions VGA, HVGA. |
| Fixed Issues | 1. None |
| Feature Added | 1. Cloud based firmware upgrade : This feature is to support automatic f/w upgrade from backend servers for subscription based models. More details about this feature available in separate documents in release folder.  * **Cloud-based firmware Upgrade Support\_Requirements.docx** * **Behavioral\_Document\_Firmware\_Upgrade.docx** |
| Feature Updated | 1. None |
| Feature Removed | 1. None |
| Specific instructions to QA (if any) | 1. FIS server URL is hard coded to local pc ip. (<http://10.102.15.70/Catcher/spek/response_iris.php>) 2. JSON response files are stored in [\\10.102.15.70\Catcher\spek\common](file:///\\10.102.15.70\Catcher\spek\common),   name of the response file is mentioned in ([\\10.102.15.70\Catcher\spek\response\_iris.php](file:///\\10.102.15.70\Catcher\spek\response_iris.php))   1. Firmware images have to be stored in [\\10.102.15.70\Catcher\spek\Package](file:///\\10.102.15.70\Catcher\spek\Package) 2. Cloud based upgrade testing is done for various test cases covered in the test report document “SbPbFirmwareTestProcedure\_Iris\_v1.3.04\_CBFU.xlsx” 3. For other functionality, limited testing is done like basic configuration and LAN, WAN streaming. |
| Classification | * Lebowski 2.7 enabled |
| Dependency/  Environment /  Component |  |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | SlingNet dll tested with : 1.3.22 |

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| Version  Date | 1.0.20  22 Oct 2009 |
| Release Candidate | **GM**  **“Master image is tested for manufacturing requirement”** |
| Location of Release | BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2009\_10\_22\_V1\_0\_20](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2009_10_22_V1_0_20)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2009_10_22_V1_0_20/> |
| Base version | **1.0.10** dated 01 Oct 2009 |
| Known Issues | 1. H264 codec streaming increased the CPU load compared to WMV, Missing CC content because of CPU load raise is expected especially at High resolutions VGA, HVGA. |
| Fixed Issues | 1. McASP clock out (AHCLKR) is disabled for Solo and IRIS. 2. [SBFW-281](https://jira.slingmedia.com/browse/SBFW-281): Green/Pink patch is observed at the bottom while streaming over WAN with no video input connected to the box. |
| Feature Added | 1. None |
| Feature Updated | 1. None |
| Feature Removed | 1. None |
| Specific instructions to QA (if any) | 1. [Player issue] Hardware version is wrongly displayed by PC player for values greater than 255, as it reads only one byte from box response. TestSlingWizard shows the version correctly. |
| Classification | * Lebowski 2.7 enabled |
| Dependency/  Environment /  Component |  |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | SlingNet dll tested with : 1.3.22 |

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| Version  Date | 1.0.10  01 Oct 2009 |
| Release Candidate | **GM**  **“Master image is tested for manufacturing requirement”** |
| Location of Release | BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2009\_10\_01\_V1\_0\_10](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\2009_10_01_V1_0_10)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/2009_10_01_V1_0_10/> |
| Base version | **1.0.01** dated 19 June 2009 |
| Known Issues | * H264 codec streaming increased the CPU load compared to WMV, Missing CC content because of CPU load raise is expected especially at High resolutions VGA, HVGA. |
| Fixed Issues | 1. [SLINGNET-140](https://jira.slingmedia.com/browse/SLINGNET-140): SNATT Connection fails with 2.0.3.508 player on Solo, Pro and Pro-HD (inconsistent observed 8 out of 10 attempts) 2. [SBFW-271](https://jira.slingmedia.com/browse/SBFW-271): SPMBB - For PRO 1.3.60 and SOLO 1.3.50: Takes approximately 2 minutes to regain stream when switching display modes. Sometimes does not regain stream. 3. [SLINGNET-138](https://jira.slingmedia.com/browse/SLINGNET-138):Slingbox sent the logs to analytic server in 30 seconds instead of 5 minutes(Observed once out of 15 attempts) 4. There was a bug in which SUDP blocked on Slingbox (0x14) errors were continuously seen after a SlingSL handshake failure (0x06 error) for the same Client-ID (until SlingPlayer was restarted). The bug is resolved. 5. Box reboots if relay reconnect happens more than 20 times. 6. [SBFW-259](https://jira.slingmedia.com/browse/SBFW-259):Solo: Player goes to optimizing state & 'SB' throws an error message when user sets any parameter onto the box. (Like adjusting 'Picture & Audio settings' through Setup Assistant). 7. [SBFW-256](https://jira.slingmedia.com/browse/SBFW-256): PRO(1.3.36)& Solo(1.3.16):Aspect ratio is not getting retained over relay during channel change or sending IR commands. 8. [SBFW-239](https://jira.slingmedia.com/browse/SBFW-239): Pro v1.3.33/Solo v1.3.14 :SB are not getting discovered when there is IP conflicts between two boxes OR between one box and device (Apple TV or PC itself) 9. [SBFW-244](https://jira.slingmedia.com/browse/SBFW-244): Solo: 'SB' stops rendering video & 'fps' becomes zero while streaming on H.264/AAC codecs. SB needs to be disconnected & connected back for recovery from this status. Similar issues logged in JIRA are [SBFW-39](https://jira.slingmedia.com/browse/SBFW-39), [SBFW-68](https://jira.slingmedia.com/browse/SBFW-68),[SBFW-139](https://jira.slingmedia.com/browse/SBFW-139), [SBFW-155](https://jira.slingmedia.com/browse/SBFW-155) and [SBFW-213](https://jira.slingmedia.com/browse/SBFW-213). 10. [SLINGNET-47](https://jira.slingmedia.com/browse/SLINGNET-47): SNET:SlingPlayer is not able to connect Slingbox through UDP if Slingbox and SlingPlayer are having same WAN IP but both are in different LAN. 11. [SBFW-205](https://jira.slingmedia.com/browse/SBFW-205): Video stuttering was observed while streaming from HVGA with H.264/AAC codecs. 12. Limited bitrate to 500 kbps for the VLC player plug-in (third party), which is able to stream in QVGA, higher bitrates (max 3000kbps) without encryption |
| Feature Added | 1. **[IRIS] Subscription scheme:**  * SPARCS will get updated for LAN / WAN streaming controls based on user subscription using automated scripts. * Slingbox will allow / deny LAN / WAN streaming based on this SPARCS controls. * If user is not connected to SPARCS to validate the subscription, user is allowed to stream for 24 hrs. After 24 hrs, streaming will be disabled until the user connects to SPRACS.  1. **Slingbox logging:** Slingbox logging added to Analytics server. The details are given in a separate document Slingbox\_logging\_07\_Sep\_2009.docx available in release folder. 2. **Controlling Slingbox from SPARCS:** some parameters can be configured from SPARCS and sent to Slingbox as part of SPARCS-Slingbox register response. The response bits can be modified on SPARCS webpage (e.g. <http://sparcs.slingmedia.com/admin/upDatedSlingBoxLookup.htm>). The details of the payload bits are given below:   Bits 0-7: Subscription and encryption bits, remains unchanged.  Bits 8-10: Keep-alive timeout duration (3 bits)   |  |  | | --- | --- | | **Value** | **Meaning** | | 0 | Slingbox default (5 mins) | | 1 | 30 sec | | 2 | 1 min | | 3 | 2 min | | 4 | 3 min | | 5 | 4 min | | 6 | Reserved | | 7 | Reserved |   Bit 11: reserved = 0, 1 - above 3 bits have different meaning.  Bits 12-14: MSG reconnect duration (3 bits)   |  |  | | --- | --- | | **Value** | **Meaning** | | 0 | Slingbox default  (Disabled) | | 1 | 1 min | | 2 | 5 min | | 3 | 1 hour | | 4 | 4 hours | | 5 | 24 hours | | 6 | Reserved | | 7 | Reserved |   Bit 15: reserved = 0, 1 - above 3 bits have different meaning.  Bit 16-17: Minimum Logging duration (2 bits )   |  |  | | --- | --- | | **Value** | **Meaning** | | 0 | Slingbox default  (5 mins) | | 1 | 1 second | | 2 | 1 hour | | 3 | Disabled |   Bits 18-19: Reboot control (2 bits)   |  |  | | --- | --- | | **Value** | **Meaning** | | 0 | Slingbox default  (No reboot) | | 1 | Once immediate | | 2 | Periodic (24 hrs) | | 3 | Reserved = 0 |   Bit 20-21: reserved  Bit 23: reserved = 0, 1 - above 7 bits have different meaning  Other bits: remains unchanged   1. **SNATT V2:** 2. This version of firmware is incompatible with MS up to version 1.0.6 and hence it should be tested with MS 1.0.7 currently deployed only on QA. Snatt should not be tested with this firmware on PROD until MS 1.0.7 is deployed. 3. The Snatt protocol is enhanced and hence the success rate should increase routers like Netgear (wgr624v3) and Zyxel that were not supported earlier with Snatt v1 are supported now.   Snatt should succeed even if both Slingbox and SlingPlayer are behind same public-IP provided UDP hairpin is enabled in router.   1. **[IRIS] Flash type is added in Hw minor version** 2. bmSbHwVerMinNum\_FlashType = 0x00000100, bitmask is added in teSlingHwVerMinNumcfg enum. For Eon, Macronix and Spansion top boot sector flash, bit value is 1 and for Spansion uniform sector and others, bit value is 0. 3. Hardware version value will change to new value for Eon / Macronix flash devices. i.e For Eon Flash device **1.37.0** version will be changed to **1.293.0** |
| Feature Updated | **SlingNet**   1. Slingbox reconnect to MSG modified    1. Reconnects immediately for TCP keep-alive timeout    2. Reconnects after a random delay of up to 5 mins if MSG closes connection (PAY timeout or MSG restarted)   Subsequently reconnects for both above cases are done after a random delay between 150 seconds and 450 seconds.   1. Congestion control algorithm in SUDP has been enhanced and that should reduce the % loss without dropping the overall throughput. 2. Snatt protocol is modified to retransmit connection response and also have frequency of hello & bind messages reduced to every 500ms. 3. **Relay reconnection:** On streaming socket reconnection, if error is detected on socket, box reconnects RI until connection timeout (10 sec).   **IR learning fixes :**   1. “SW\_BLAST\_LEARNT\_IR\_KEY\_SB” msg response is fail, even IR blasting is successful. 2. When uploading an IR learnt file, first time it fails. 3. After learnt file is uploaded to the box, single key is returned instead of all key codes   **IRDB feature :**   1. If the flash DB is full, box removes the oldest and device which is not in use, to accommodate the new remote.   **H264 max bitrate is reduced to fit CPU load.**  **VGA max bitrates for H264 and WMV :**   |  |  |  |  | | --- | --- | --- | --- | | Codec | SOLO | PRO | IRIS | | H.264 | 5500 kbps | 5500 / (For analog RF 5000) | 4000 kbps | | WMV | 6500 kbps | 6500 / (For analog RF 5400) | 5000 kbps | |
| Feature Removed |  |
| Specific instructions to QA (if any) | 1. **[Player issue]** Hardware version is wrongly displayed by PC player for values greater than 255, as it reads only one byte from box response. TestSlingWizard shows the version correctly. |
| Classification | 1. Lebowski 2.7 enabled |
| Dependency/  Environment /  Component |  |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | SlingNet dll tested with : 1.3.22 |

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| Version  Date | 1.0.01  19 June 2009 |
| Release Candidate | **Internal** |
| Location of Release | BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\090619\_V1\_0\_1](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\090619_V1_0_1)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/090619_V1_0_1/> |
| Base version | **1.0.00** |
| Known Issues | 1. De-interlacing effect is seen with high action content at high bitrates.  We found this as a firmware issue and will be fixed in next release. |
| Fixed Issues | 1. Boot loader V1.0.04: DDR2 configuration values (SDRAM timing registers and Refresh Control register) are corrected. This change results in reduced CPU load of 3 ~ 4 % and peak bitrate for VGA is increased. 2. Ethernet physical driver register value is changed (transceiver register control MR19 value is changed to 00) to comply with the Ethernet standard IEEE 802.3. 3. Multiple flashes are supported (Eon, Macronix and Spansion). Flash type is detected by reading manufacturing id and suitable drivers will get invoked. |
| Feature Added | 1. SlingNet support added |
| Feature Updated |  |
| Feature Removed |  |
| Specific instructions to QA (if any) | 1. There is an issue with SA 2.0 and it couldn’t configure IRIS. Please use SA 3.0 or Mac player Setup Assistant for IRIS configuration. 2. MAC WBSP (Version: 44) shows the error “Classic Sling boxes are not supported and will not work with Live TV”.   These issues have to be fixed by client team.   1. There is a hardware issue found in IRIS 1P boards for IR learning. If IR learning test has to be done with MTW, please make sure with HW team whether the board already has the fix for it. |
| Classification | 1. Lebowski 2.7 enabled |
| Dependency/  Environment /  Component |  |
| Other details(if any) | Default image upgrade: Yes  Boot loader upgrade: Yes, Version is changed from 1.0.02 to 1.0.04  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks | 1. IRIS is same as the Slingbox Solo with no provision for component and S\_Video signals. 2. Feature wise this release is identical to Solo 1.3.16 with some changes / fixes as mentioned above. |

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| Version  Date | 1.0.0  13 May 2009 |
| Release Candidate |  |
| Location of Release | BTC:  [\\inof1fs1\Common\_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\090513\_V1\_0\_0](file:///\\inof1fs1\Common_Share\EmbeddedSoftware\SlingboxIRISBetaReleases\090513_V1_0_0)  US:  <ftp://usof1eng1.slingmedia.com/Builds/Embedded/SlingBox/BetaReleases/SlingboxIRIS/090513_V1_0_0/> |
| Base version | **0.9.0** |
| Known Issues | * SlingNet is not integrated * CPU load reaches 100 % with manual bitrate of 4 Mbps |
| Fixed Issues | * None |
| Feature Added | * H264 streaming support added |
| Feature Updated | * None |
| Feature Removed | * None |
| Specific instructions to QA (if any) | * None |
| Classification | * Lebowski 2.7 enabled |
| Dependency/  Environment /  Component | * None |
| Other details(if any) | Default image upgrade: No  Boot loader upgrade: Yes  FW: Old without CRC and HASH  UPGRADE: works with all the Player versions  Master Image provided: Yes |
| Tools | CCS: Platinum V3.3  DSP/BIOS: v5.31.08  CG: V6.0.14 |
| Remarks |  |