

# MP3 Decoder on C64x+/ C674x

## Version 01.41.00

### Release Notes

July 2011

Build ID: 01.41.00.00

The release note is divided into the following sections:

- [New In This Release](#)
- [Validation Information](#)
- [Fixed In This Release](#)
- [Known Issues](#)

#### New In This Release

- This release of MP3 Decoder on C64x+ / C674x supporting both ELF and COFF ABI format, is validated and profiled on DM8148.
- This codec can be used on any of TI's C64x+/C674x based platforms such as DM8148, DM644x, DM648, DM643x, DM646x, OMAP35xx, DM816x, DM814x, OMAP-L1x and their derivatives.

#### Validation Information

Release Configuration	Description	Platform Name
C674X_L1L2L3	MP3 Decoder with Layer1, Layer2, and Layer3 support (can be used on any of TI's C64x+ and C674x based platforms such as DM8148, DM644x, DM648, DM643x, DM646x, OMAP35xx, DM816x, DM814x, OMAP-L1x and their derivatives	C64x+ and C674x based platforms <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

This release is validated on the following:

- DM8148 EVM
  - DSP/BIOS version 5.41.02.14 for COFF ABI and 6.31 for ELF ABI
  - Code Generation Tool version 7.2.2
  - Code Composer Studio 4.2.0.10018



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## Fixed In This Release

- None

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00025653	The decoder writes back to the decoder input buffer. The decoder expects the application to retain this data and feed it back for the subsequent frames. This is violation of XDM specifications.	C674X_L1L2L3

# MP3 Decoder on C64x+/ C674x

## Version 01.40.00

### Release Notes

August 2010

Build ID: 01.40.00.00

The release note is divided into the following sections:

- [New In This Release](#)
- [Validation Information](#)
- [Fixed In This Release](#)
- [Known Issues](#)

#### New In This Release

- This release of MP3 Decoder on C64x+ / C674x supports both ELF and COFF ABI format
- This release of MP3 Decoder supports stand alone build and execution process on Code Composer Studio 4.2

#### Validation Information

Release Configuration	Description	Platform Name
C64XPLUS_L1L2L3	MP3 Decoder with Layer1, Layer2, and Layer3 support (can be used on any of TI's C64x+ and C674x based platforms such as DM644x, DM648, DM643x, DM646x, OMAP35xx, DM816x, DM814x, OMAP-L1x and their derivatives	C64x+ and C674x based platforms <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

This release is validated on the following:

- DM644x EVM
  - DSP/BIOS version 5.41.02.14 for COFF ABI and 6.31 for ELF ABI
  - Code Generation Tool version 7.2.0A10197



## Fixed In This Release

- None

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00025653	The decoder writes back to the decoder input buffer. The decoder expects the application to retain this data and feed it back for the subsequent frames. This is violation of XDM specifications.	C64XPLUS_L1L2L3

# MP3 Decoder on C64x+

## Version 01.32.00

### Release Notes

February 2009

Build ID: 01.32.00.001

The release note is divided into the following sections:

- [New In This Release](#)
- [Validation Information](#)
- [Fixed in This Release](#)
- [Known Issues](#)

#### New In This Release

- This release of MP3 Decoder on C64x+ is optimized version with XDM 1.0 API compliant.
- This is a patch release on 1.31.001. The release note for this version is appended.

#### Validation Information

Release Configuration	Description	Platform Name
C64XPLUS_L1L2L3	MP3 Decoder with Layer1, Layer2, and Layer3 support (can be used on any of TI's C64x+ based platforms such as DM644x, DM648, DM643x, DM646x, OMAP35xx and their derivatives)	C64x+ based platforms <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

This release is validated on the following:

- DM644x EVM
  - DSP/BIOS version 5.31



- Code Generation Tool version 6.0.8



## Fixed in This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00053776	MCPS deviation observed	C64XPLUS_L1L2L3

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00025653	The decoder writes back to the decoder input buffer. The decoder expects the application to retain this data and feed it back for the subsequent frames. This is violation of XDM specifications.	C64XPLUS_L1L2L3

# MP3 Decoder on C64x+

## Version 1.31

### Release Notes

September 2008

Build ID: 1.31.001

The release note is divided into the following sections:

- [New In This Release](#)
- [Validation Information](#)
- [Fixed in This Release](#)
- [Known Issues](#)

#### New In This Release

- This release of MP3 Decoder on C64x+ is XDM1.0 compliant.
- This codec also supports DM6446, DRA446, DM6437, DM648, DM6467, OMAP2530 and OMAP3530 platforms.

#### Validation Information

Release Configuration	Description	Platform Name
C64XPLUS_L1L2L3	MP3 Decoder with Layer1, Layer2, and Layer3 support	C64x+ based platforms <a href="#">[Datasheet]</a> <a href="#">[User Guide]</a>

This release is validated on the following:

- DM644x EVM
  - DSP/BIOS version 5.31
  - Code Generation Tool version 6.0.8





## Fixed in This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00027770	MP3 decoder writes back into decoder input buffer. Hence we need to add codec engine skeleton code in the RTSC package as a workaround for this issue in CE frame work	C64XPLUS_L1L2L3

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00025653	The decoder writes back to the decoder input buffer. The decoder expects the application to retain this data and feed it back for the subsequent frames. This is violation of XDM specifications.	C64XPLUS_L1L2L3