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# Release Notes:

## Helix Mobile Producer® 12.0

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Thank you for choosing Helix Mobile Producer On-Demand powered by Envivio. Helix Mobile Producer On-Demand 12 converts a wide variety of audio and video files into the RealAudio and RealVideo format. The software and documentation are provided to you in accordance with your license agreement.

## 1. What's New in Version 12.0

### Added support for lower sample rates at audio bit rates <= 64 kbps (bug #7379)

The audio encoder in HMP is programmed to refuse encoding the audio when the input sample rate of an audio track is too low for the chosen target bit rate. The problem was, the bit rate threshold was too high, making it impossible to encode, for example, 22.05kHz audio tracks at 64 kbps. This has been fixed in this version. Here is the new set of valid sample rates:

### AAC (mono output)

Target bit rate (kbps)	Compatible input sample rates	Compatible output sample rates (kHz)
8-10	8 kHz and over	8, 11.025, 12
12	8 kHz and over	8, 11.025, 12, 16
16	8 kHz and over	8, 11.025, 12, 16, 22.05, 24
20	11.025 kHz and over	11.025, 12, 16, 22.05, 24
24-28	11.025 kHz and over	11.025, 12, 16, 22.05, 24, 32
32	11.025 kHz and over	11.025, 12, 16, 22.05, 24, 32, 44.1, 48
40	16 kHz and over	16, 22.05, 24, 32, 44.1, 48
48-64	22.05 kHz and over	22.05, 24, 32, 44.1, 48
80-160	32 kHz and over	32, 44.1, 48

### AAC (stereo output)

Target bit rate (kbps)	Compatible <b>input</b> sample rates	Compatible <b>output</b> sample rates (kHz)
24-56	22.05 kHz and over	22.05, 24, 32, 44.1, 48
64	22.05 kHz and over	22.05, 24, 32, 44.1, 48, 96
80-128	32 kHz and over	32, 44.1, 48, 96
160-256	44.1 kHz and over	44.1, 48, 96

### AAC+ (mono output)

Target bit rate (kbps)	Compatible <b>input</b> sample rates	Compatible <b>output</b> sample rates (kHz)
8-12	16 kHz and over	16, 22.05, 24, 32
16-32	22.05 kHz and over	22.05, 24, 32, 44.1, 48
40-64	22.05 kHz and over	22.05, 24, 32, 44.1, 48, 96
80-256	44.1 kHz and over	44.1, 48, 96

### AAC+ (stereo output)

Target bit rate (kbps)	Compatible <b>input</b> sample rates	Compatible <b>output</b> sample rates (kHz)
24-56	22.05 kHz and over	22.05, 24, 32, 44.1, 48
64	22.05 kHz and over	22.05, 24, 32, 44.1, 48, 96
80-128	32 kHz and over	32, 44.1, 48, 96
160-256	44.1 kHz and over	44.1, 48, 96

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## **AAC+ Enhanced (stereo output)**

<b>Target bit rate (kbps)</b>	<b>Compatible input sample rates</b>	<b>Compatible output sample rates (kHz)</b>
20-48	22.05 kHz and over	22.05, 24, 32, 44.1, 48