

Tape Specifications for Pathfire DMG

Tape-Based Master Specifications

This document provides standards for tape-based masters delivered to Extreme Reach for Pathfire DMG. For questions about these technical specifications or details about tape submission, contact your client manager/show coordinator.

	SD	HD
Tape Formats	Digital Beta	Sony HDCAM SR
Chroma	4:2:2	4:2:2
Aspect Ratio	4:3	16:9
Audio Levels	Reference - 20dBFS Loudness - 24LKFS ± 2dB (Max)	Reference - 20dBFS Loudness - 24LKFS ± 2dB (Max)
	Stereo - Ch1 – Left Stereo Ch2 – Right Stereo Ch3 – Left Stereo (LAS) Ch4 – Right Stereo (LAS)	Stereo - Ch1 – Left Stereo Ch2 – Right Stereo Ch3 – Left Stereo (LAS) Ch4 – Right Stereo (LAS) 5.1 Audio Ch1 – Left Front Ch2 – Right Front Ch3 – Center Ch4 – LFE Ch5 – Left Surround Ch6 – Right Surround Ch7 – Left Stereo Ch8 – Right Stereo Ch9 – Left Stereo (LAS) Ch10 – Right Stereo (LAS)

- Applicable)
- Video Format (If Applicable)

Tape Layout:

- Minimum 10 seconds of black / silence
- Minimum 30 seconds of bars / tone
- Minimum 10 seconds of slate
 - Show Name
 - Episode Number
 - Episode Name
 - Episode Duration
 - Audio configuration
- Minimum 5 seconds black between each segment.
- Minimum 10 seconds of black / silence

Tape Timecode:

- All tapes must have continuous drop-frame LTC and VITC timecode as specified by SMPTE.
- Timecode must be synchronous with the recorded video.
- No breaks in time code will be accepted.

Notes:

1. This document describes the base technical details of the tape format required. The content delivery specifications of the program provider may contain additional requirements which need to be observed.
2. For shows supplied with HD masters please note that these will be down converted to SD at non-HD stations. The default SD down conversion is to 4x3 full frame therefore HD masters should be center-cut safe. If letterboxed 4x3 SD presentation is required all segments must contain AFD code 1010 in VANC Line 11.

Tape Labels:

- Content Owners
- Show Title
- Audio Configuration
- Audio Channel Assignments
- Closed Captioning (If Applicable)
- Watermark (If Applicable)
- AFD Determination (If

Extreme Reach, Inc.

CORPORATE HEADQUARTERS

75 Second Avenue | Suite 720 | Needham MA 02494 | 781.577.2016

Boston • New York • Los Angeles • Chicago • Detroit • Dallas • Louisville • San Francisco • Seattle | extremereach.com