

iXML Metadata Implementation



Vendor: Sound Devices	Date: January 01, 2007
Models: 702, 722, 702T, 744T	Firmware Version: 2.09
<IXML_VERSION>: 1.5	

✓ supported tag
 × not supported tag

iXML Master Tag	iXML Sub Tags	Written	Read	Remarks
<PROJECT>		✓	×	= Project Folder Name
<SCENE>		✓	×	= Scene Name (BEXT)
<TAKE>		✓	×	= Take ID (BEXT)
<TAPE>		✓	×	= Roll Folder Name
<CIRCLED>		×	×	
<FILE_UID>		✓	×	= UID (BEXT)
<UBITS> ⁽¹⁾		✓	×	= UBITS (BEXT)
<NOTE>		✓	✓	= Notes (USER)
<BEXT>		×	×	
<USER>		×	×	
<SPEED> ⁽²⁾		✓	×	
<SPEED>	<NOTE>	✓	×	= 0.1% Speed Reduction or Empty
<SPEED>	<MASTER_SPEED>	✓	×	= <TIMECODE_RATE>
<SPEED>	<CURRENT_SPEED>	✓	×	= Actual Recorded Frame Rate
<SPEED>	<TIMECODE_FLAG>	✓	×	= DF or NDF
<SPEED>	<TIMECODE_RATE>	✓	×	= Frame Rate (BEXT)
<SPEED>	<FILE_SAMPLE_RATE>	✓	×	= Sampling Rate (Hz) (BEXT)
<SPEED>	<AUDIO_BIT_DEPTH>	✓	×	= 16 or 24 (BEXT)
<SPEED>	<DIGITIZER_SAMPLE_RATE>	✓	×	= Actual Recorded A/D Sampling Rate
<SPEED>	<TIMESTAMP_SAMPLE_RATE>	✓	×	= Sampling Rate used to calculate time stamp
<SPEED>	<TIMESTAMP_SAMPLES_SINCE_MIDNIGHT_HI>	✓	×	= SMPTE (BEXT)
<SPEED>	<TIMESTAMP_SAMPLES_SINCE_MIDNIGHT_LO>	✓	×	= SMPTE (BEXT)
<SYNC_POINT_LIST>		×	×	
<SYNC_POINT>	<SYNC_POINT_TYPE>	×	×	
<SYNC_POINT>	<SYNC_POINT_FUNCTION>	×	×	
<SYNC_POINT>	<SYNC_POINT_COMMENT>	×	×	
<SYNC_POINT>	<SYNC_POINT_LOW>	×	×	
<SYNC_POINT>	<SYNC_POINT_HIGH>	×	×	
<SYNC_POINT>	<SYNC_POINT_EVENT_DURATION>	×	×	
<HISTORY>		✓	×	
<HISTORY>	<ORIGINAL_FILENAME>	✓	×	= Filename On File Creation
<HISTORY> ⁽³⁾	<CURRENT_FILENAME>	✓	×	= Current File Name (BEXT)*
<HISTORY>	<PARENT_FILENAME>	×	×	
<HISTORY>	<PARENT_UID>	×	×	
<FILE_SET>		×	×	
<FILE_SET>	<TOTAL_FILES>	×	×	
<FILE_SET>	<FAMILY_UID>	×	×	

iXML Master Tag	iXML Sub Tags	Written	Read	Remarks
<FILE_SET>	<FAMILY_NAME>	×	×	
<FILE_SET>	<FILE_SET_INDEX>	×	×	
<TRACK_LIST>		✓	×	
<TRACK_LIST>	<TRACK_COUNT>	✓	×	= #Tracks in file
<TRACK>	<CHANNEL_INDEX>	✓	×	= Track #
<TRACK>	<INTERLEAVE_INDEX>	✓	×	= Channel # in reference to the file.
<TRACK>	<NAME>	✓	✓	= Track Name (USER)
<TRACK>	<FUNCTION>	×	×	
NOTES:	NOTES: (BEXT) = same as BEXT Chunk (USER) = user editable (1) 702T & 744T only, also Timecode & UBITS must be enabled. (2) 702T & 744T only, also Timecode must be enabled. (3) iXML Tag created by Sound Devices to keep consistency with the (BEXT) chunk.			

BEXT Metadata Implementation

✓ supported tag
 × not supported tag

VENDOR	Sound Devices	DATE:	Jan. 1st 2007
MODEL	702/702T/722/744T		

BEXT FIELD	BEXT SUB TAGS	WRITTEN	READ	REMARKS
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Description (1)

sSPEED=		✓	✓	= frame rate
sTAKE=		✓	×	= take ID
sUBITS=(2)		✓	✓	= User Bits
sSWVER=		✓	×	= software version
sPROJECT=		✓	×	= project folder name
sSCENE=		✓	×	= scene name
sFILENAME=		✓	×	= current filename
sTAPE=		✓	×	= roll folder name
sTRKx=		✓	×	= track name (x=1,2,3 or 4)
sNOTE=		✓	×	= user note

Originator

702	Sound Dev: 702 S#xxxxxxxxxxxx	✓	×	S#=serial number, x=12 digit serial number
702T	Sound Dev: 702T S#xxxxxxxxxxxx	✓	×	
722	Sound Dev: 722 S#xxxxxxxxxxxx	✓	×	
744T	Sound Dev: 744T S#xxxxxxxxxxxx	✓	×	

Originator Reference

702	702 S#xxxxxxxxxxxx M#yyyyy cddd	✓	×	S#=serial number, x=12 digit serial number M#=media ID, y=5 digit media number c=0-multi-track file, 1-mono file ddd=channel ID-mono file, 000-multi-track file
702T	702T S#xxxxxxxxxxxx M#yyyyy cddd	✓	×	
722	722 S#xxxxxxxxxxxx M#yyyyy cddd	✓	×	
744T	744T S#xxxxxxxxxxxx M#yyyyy cddd	✓	×	

Originator Date

2006-31-12	✓	×	file creation date YYYY-MM-DD
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Originator Time

22:38:19	✓	×	file creation time HH-MM-SS
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Time Reference

SMPTE Time Stamp (3)	✓	✓	(see note 3)
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Coding History

A = PCM F = 48000 W = 24 M = multi R = 48048 T = 4 Ch	✓	×	A = information about the digital sound signal path F = sampling frequency (Hz) W = word length (bits) (16 or 24) M = mode (mono, stereo, multi) R = real sampling frequency (Hz) (actual A/D sample rate) T = text comments (number of channels)
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NOTES:

- (1) The BEXT description field is limited to 256 bytes. The field will be truncated to meet this requirement.
 (2) 702T & 744T only, also Time Code & UBITS must be enabled.
 (3) 702T & 744T only, also Time Code must be enabled.