DELIVERING TO BEAM IN THREE EASY STEPS:

01

Contact our traffic team via **delivery@beam.tv** for full details of delivery to your destinations.

02

Make your master in line with the generic details listed on page two,

- **OR** -

Please vary from the generic spec in those instances where the destination is listed as having regional requirements, such as specific clock build or audio levels, as detailed from page five onwards in this document.

03

Create your transmission copy using one of the file choices on page three and four (ProRes or MPEG-2 for SD, ProRes for HD) and upload to your secure FTP details provided by Beam.

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GENERIC DETAILS

NAMING.

The file must be named in the following way with the correct clock number: AAA-BBBB000-000
or recognised national variation.

LEAD IN / OUT.

The commercial should be preceded by a countdown clock of 7 seconds and 3 seconds black and silence unless otherwise stated.

The last frame of the file must be the last frame of the active commmercial. No end handles are permitted.

GENERIC.

- The clock should identify the product and agency copy number, title, commercial duration, the correct audio state (stereo / mono / 5.1) and the aspect ratio.
- If your audio is intentionally low for creative reasons please note this on the clock.
- Any other relevant information should also be indicated on the clock i.e. 4 channels of audio, commercial starts on black etc.
- All signals should conform to broadcast regulations, including regional Loudness specifications, and be free of artefacts.
- Rec 601 / 709 levels and EBU tolerances are required for all broadcast material. Illegal Luminance or sub-black signals will be rejected.
- RGB, YPbPr signals should be within EBU tolerances and legal in all domains. Standard RGB tolerance is within -35mv / +735mv.
- It is recommended that any compression and gain levels are the same as those provided by the sound house especially when loudness compliance is required.
- Our generic audio level is 6PPM type II. All dBFSvalues use type II ballistics.

DELIVERY TO BEAM.

You require a secure and personalised username and password for our secure servers in order to deliver to us, please contact **delivery@beam.tv** to set this up for you.

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FILE SUBMISSION - 50i / PAL:

QUICKTIME HD 50I

Codec:	Apple ProRes 4:2:2 (HQ)
Container:	Quicktime
Audio:	Linear PCM, Little Endian, 24 bit, 48Khz
Interlaced:	Interlaced TFF
Chroma:	4:2:2
Aspect Ratio:	16:9
Framerate:	50i
Framesize:	1920 x 1080
Audio ch 1:	Stereo Left/Mono
Audio ch 2:	Stereo Right/Mono
File Extension:	.mov

QUICKTIME SD PAL

Codec:	Apple ProRes 4:2:2 (HQ)
Container:	Quicktime
Audio:	Linear PCM, Little Endian, 16 bit, 48Khz
Interlaced:	Interlaced UFF
Chroma:	4:2:2
Aspect Ratio:	4:3 or 16:9FHA
Framerate:	25 exactly
Framesize:	720 x 576
Audio ch 1:	Stereo Left/Mono
Audio ch 2:	Stereo Right/Mono
File Extension:	.mov

MPEG-2 SD PAL

Codec:	D10 MPEG-2
Container:	PS MPEG-2
Profile / Level:	4:2:2 / main
Video:	50Mb/s
Audio:	MPEG1 Layer 2 384 Kb/s 48kHz 16 bit
GOP Structure:	I Frame only
CBR / VBR:	CBR
Interlaced:	Upper Field First
Chroma:	4:2:2
Line Standard:	625/50 PAL I
Framerate:	25 fps
Framesize:	720 x 576
Aspect Ratio:	4:3 or 16:9FHA
Audio ch 1:	Stereo Left/Mono
Audio ch 2:	Stereo Right/Mono
File Extension:	.mpg

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FILE SUBMISSION - NTSC / 59.94:

QUICKTIME HD 59.94	
Codec:	Apple ProRes 4:2:2 (HQ)
Container:	Quicktime
Audio:	Linear PCM, Little Endian, 24 bit, 48Khz
Interlaced:	Interlaced TFF
Chroma:	4:2:2
Aspect Ratio:	16:9
Framerate:	29.97 / 59.94
Framesize:	1920 x 1080
Audio ch 1:	Stereo Left / Mono
Audio ch 2:	Stereo Right / Mono
File Extension:	.mov

QUICKTIME SD NTSC	
Codec:	Apple ProRes 4:2:2 (HQ)
Container:	Quicktime
Audio:	Linear PCM, Little Endian, 16 bit, 48Khz
Interlaced:	Interlaced LFF
Chroma:	4:2:2
Aspect Ratio:	4:3 or 16:9FHA
Framerate:	29.97 exactly
Framesize:	720 x 486
Audio ch 1:	Stereo Left / Mono
Audio ch 2:	Stereo Right / Mono
File Extension:	.mov

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REGIONAL VARIATIONS FROM THE GENERIC SPECIFICATION AS DETAILED ON PAGE ONE:

FRANCE

AUDIO (UNDER 2MIN DUR)

Loudness Requirements:	R128
Short Term:	-20 max
Momentary:	n/a
Integrated:	-23 LUFS
DB T P:	-3 dBTP max
DB F S :	n/a

NOTES:

The first line of picture must be full line (line 24)
The last line of picture must be full line (line 310)
RGB Gamut tolerance for France is within the range -7mv / +721mv

SPAIN

DB F S:	-9 dBFS

PORTUGAL

Loudness Requirements:	R128
Short Term:	-18 max
Momentary:	n/a
Integrated:	-23 LUFS
DB T P:	-1 dBTP max
DB F S:	n/a

ITALY

Loudness Requirements:	AGCOM 219/09/CSP
Short Term:	-15 LUFS max
Momentary:	n/a
Integrated:	-24LUFS ± 0.5LU
DB T P:	-2 dBTP max
DB F S:	-9 dBFS (QPPM IEC 60268-10)

NOTES:

Specification: AGCOM 219/09/CSP - 05/01/2010 plus: The loudness is measured following ITU-R BS 1770 recommendation. The measure Instrumentals is defined on ITU-R BS.1771 recommendation. The measure will be defined using a sampling time between 300 – 1000 ms. Absolute silence Gate: -70LUFS. Fixed Gating: -8LU referred to relative value.

GERMANY, AUSTRIA & SWITZERLAND

Loudness Requirements:	R128
Short Term:	-20 max
Momentary:	-15 max
Integrated:	-23 LUFS
DB T P:	-3 dBTP max
LOUDNESS RANGE:	20 LU max
DB F S:	n/a

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REGIONAL VARIATIONS FROM THE GENERIC SPECIFICATION AS DETAILED ON PAGE ONE:

MALTA

Loudness Requirements:	R128
Short Term:	n/a
Momentary:	-15 max
Integrated:	-23 LUFS
DB T P :	-3 dBTP

BELGIUM, LUXEMBOURG, POLAND & CZECH REPUBLIC

Loudness Requirements:	R128
Short Term:	n/a
Momentary:	-15 max
Integrated:	-23 LUFS
DB T P:	-1 dBTP max
LOUDNESS RANGE:	n/a

NOTES:
For Czech Republic - A unique AKA code must be provided as the Clock number for each commercial. Please request AKA code from your Media agency.

NETHERLANDS & ESTONIA

Loudness Requirment:	R128
Momentary:	+8 LU
Intergrated:	-23 LUFS
Target Tolerence:	+/- 05 LU
DB T P:	-3 dBTP

HUNGARY

Loudness Requirements:	R128
Integrated:	-23 LUFS
Target Tolerence:	+/- 05 LU
DB T P:	3 dBTP

NOTES:
The film code is generated by the media agency and will replace the clock number.

NORWAY, FINLAND, DENMARK, ICELAND & SWEDEN

Loudness Requirements:	R128
Short Term:	-18 max
Momentary:	-15 max
Integrated:	-23 LUFS
DB T P:	-3 dBTP max
LOUDNESS RANGE:	20 LUFS
DB F S:	n/a

NOTES:
The Disney sales code (DTV, STV or NTVxxxx) is required.
Norway - AC Nielsen is required, this can be requested from your Media agency or AC Nielsen, this will replace the clock number.
Denmark - 10 digit AdCode is required and will replace the clock number.
Finland - An Adcode is required and will replace the clock number.

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REGIONAL VARIATIONS FROM THE GENERIC SPECIFICATION AS DETAILED ON PAGE ONE:

LITHUANIA & LATVIA

Loudness Requirements:	R128
Short Term:	-20 max
Momentary:	-15 max
Integrated:	-23 LUFS
DB T P:	-3 dBTP max
LOUDNESS RANGE:	20LU
DB F S:	n/a

SLOVAKIA

Loudness Requirements:	R128
Short Term:	-20 max
Momentary:	-15 max
Integrated:	-23 LUFS
DB T P:	-1 dBTP max
LOUDNESS RANGE:	15LU
DB F S:	n/a

ROMANIA

Loudness Requirements:	R128
Short Term:	-20 max
Momentary:	-15 max
Integrated:	-23 LUFS
DB T P:	-3 dBTP max
LOUDNESS RANGE:	20LU
DB F S:	n/a
These stations accept R128 but have the following dBTP restriction in their R128 mix	AXN (Animax, Black, Crime, Sci Fi, White), Boomerang, History & TCM
DB T P:	-10 max

RUSSIAN FEDERATION

Loudness Requirements:	R128
Short Term:	-20 max
Momentary:	-15 max
Integrated:	-23 LUFS
DB T P:	-12 dBTP max

UAE

DB F S:	-10 dBFS

NOTES:
Dubai Channels Network & Al Rai TV have zero tolerance with regards to blanking. Letterboxing, even creative in nature, will not be accepted.

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REGIONAL VARIATIONS FROM THE GENERIC SPECIFICATION AS DETAILED ON PAGE ONE:

UNITED STATES OF AMERICA, PUERTO RICO & CANADA

Loudness Requirements:	A/85
Short Term:	n/a
Momentary:	n/a
Integrated:	-24 LKFS (+/- 2 LKFS)
DB T P:	-2 dBTP max

NOTES:
The commercial should be preceded by 2 seconds of black and silence countdown clock/slate of 5 seconds and 2 seconds black and silence and should be followed by 1 second of black and silence.
Ad-IDs cannot be longer than 11 alphanumerical characters in length, 12 alphanumerical characters for HD to accommodate the "H" at the end. Ad-IDs must not include ANY special characters, e.g. "-", "/", etc.
Other unique alphanumeric codes cannot be longer than 12 alphanumerical characters in length, 13 alphanumerical characters for HD to accommodate the "H" at the end.
Unique alphanumeric Codes must not include ANY special characters, e.g. "-", "/", etc.HD & SD versions of the same material should have the same AD-ID/ unique alphanumeric code, with the only difference being a "H" at the end of the HD version.

LATAM: BOLIVIA, CHILE, COLOMBIA, MEXICO, COSTA RICA, DOMINICAN REPUBLIC, ECUADOR, EL SALVADOR, NICARAGUA, PARAGUAY, URUGUAY, ARGENTINA, GUATEMALA, HONDURAS, PANAMA, PERU, VENEZUELA, TRINIDAD & TOBAGO, JAMAICA, GUYANA & SURINAME

DB F S:	-12 dBFS

NOTES:
The commercial must be preceded by a countdown clock of 12 seconds and then 3 seconds black followed by 3 seconds of black after commercial. Please note that clock ID numbers (ISCI) cannot be longer than 18 characters in length - with the exception of Chile where the clock number cannot exceed 12 characters.
HD & SD versions of the same material should have the same clock ID numbers (ISCI), but with a "H" suffix at the end of the HD version.

BRAZIL

Loudness Requirements:	R128
Short Term:	n/a
Momentary:	n/a
Integrated:	-23 LUFS
DB T P:	n/a
DB F S:	-12 dBFS max

NOTES:
The audio levels must meet both loudness and maximum dBFS peak values within the same audio mix.
The commercial must be preceded by a countdown clock of 8 seconds and then 2 seconds black followed by 5 seconds of black after commercial.

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REGIONAL VARIATIONS FROM THE GENERIC SPECIFICATION AS DETAILED ON PAGE ONE:

AUSTRALIA

Loudness Requirements:	OP-59
Short Term:	n/a
Momentary:	n/a
Integrated:	-24LKFS
DB T P:	-2 dBTP max
DB F S:	n/a

NOTES:

The first and last 12frames must be completely mute.
Must use the term 'Key Number' for unique clock code on the clock.
The key number should be limited to a maximum of 13 alphanumeric characters, and must not contain spaces.
Must state OP-48 COMPLIANT on clock.

NEW ZEALAND

Loudness Requirements:	OP-59
Short Term:	n/a
Momentary:	n/a
Integrated:	-24LKFS
DB T P:	-2 dBTP max
DB F S:	n/a

NOTES:

A key number should include no more than 12 alphanumeric characters. Dashes, slashes and hyphens are treated as spaces and are ignored.
All key numbers must follow the advertiser/duration/unique reference format (e.g. ABC 030 0001 and ABC 015 0002).

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REGIONAL VARIATIONS FROM THE GENERIC SPECIFICATION AS DETAILED ON PAGE ONE:

JAPAN

Loudness Requirements:	ARIB TR-B32
Short Term:	n/a
Momentary:	n/a
Integrated:	-24 LKFS
DB T P:	-1 dBTP max

NOTES:

The first and last 15frames must be completely mute.

The commercial must be preceded by 5 seconds of ARIB STD-B28 Bars & 1kHz followed by 2 seconds of slate and then 3 seconds freeze of the first frame.

The clock/slate must include a CM Number. This is a 10-digit number obtained by the advertising or media agency handling the campaign.

Must have a valid PSE test certificate which has been produced in accordance with ITU-R BT.1702, and using a recognised PSE algorithm (such as Harding FPA V3.4 or equivalent).

HONG KONG

DB F S:	-10 dBFS

NOTES:

For detailed information on technical compliance it is highly recommend that the code of practice be referenced when providing content to this territory:
http://www.coms-auth.hk/filemanager/common/policies_regulations/cop/code_tvtech_e.pdf

TVB has very strict audio specifications.

Please ensure that the audio dynamic range is maintained between levels -16dBFS and -12dBFS.

CHINA

DB F S:	-10 dBFS

NOTES:

Chinese regulations require that all TV commercials must display a watermark of a specific Chinese character in top right corner.

1. The characters should be there from the beginning to the end of the commercial.
2. Black body/White text on a black border/size 16*16
3. Should be at the upper right corner within the 4:3 safe box.

For further information please refer to **http://www.saic.gov.cn/**

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REGIONAL VARIATIONS FROM THE GENERIC SPECIFICATION AS DETAILED ON PAGE ONE:

ANGOLA, BURKINA FASO, BOTSWANA, CAMEROON, COTE D'IVOIRE, DROC, ETHIOPIA, GHANA, KENYA, MALAWI, MAURITIUS, MOZAMBIQUE, NIGERIA, UGANDA, ZAMBIA & ZIMBABWE

DB F S:	-10 dBFS

NOTES:

The commercial should be preceded by a countdown clock of 3 seconds and 2 seconds black and silence.

Must have a 5 second freeze of the last frame.

SOUTH AFRICA

Loudness Requirements:	R128
Short Term:	n/a
Momentary:	n/a
Integrated:	-23 LUFS
DB T P:	-2 dBTP max
LOUDNESS RANGE :	n/a
DB F S:	n/a

NOTES:

Must have a 5 second freeze of the last frame.

For the Flight Code ABCD/015/001/E/H:

- ABCD = 4 Digit Alphabetical Prefix: specific to advertiser/agency, usually a combination of letters relating to Agency/Advertiser/Product
- 015 = 3 digit Duration in seconds (i.e. this would be a 15sec ad)
- 001 = Numerical Sequence of ad series/campaign
- E = Language (E = English, F = French, etc.)
- H = Aspect Ratio (H = HD, T = 4:3 SD, F = 16:9 FHA)

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