

Switch Settings For 202T – Video Use



Timecode FPS output	DIPSWITCHES							Modeswitch		Sync. Standard output	
	1	2	3	4	5	6	7	A lower	B upper		
							If nicads=On If alkaline=Off				
23.98 PsF	On	Off	On	On	On	Off		Ⓜ	Ⓜ	PsF	Trilevel
24 PsF	On	Off	Off	On	On	Off		Ⓜ	Ⓜ	PsF	Trilevel
25 PsF	Off	Off	Off	On	On	Off		Ⓜ	Ⓜ	PsF	Trilevel
29.97 PsF	On	On	Off	On	On	Off		Ⓜ	Ⓜ	PsF	Trilevel
30 PsF	Off	On	Off	On	On	Off		Ⓜ	Ⓜ	PsF	Trilevel
50 I	Off	Off	Off	On	On	Off		Ⓜ	Ⓜ	I	Trilevel
59.97 I	On	On	Off	On	On	Off		Ⓜ	Ⓜ	I	Trilevel
60 I	Off	On	Off	On	On	Off		Ⓜ	Ⓜ	I	Trilevel
23.98	On	Off	On	On	Off	Off		<	<	Comp. Video	NTSC
24 NTSC	On	Off	Off	On	Off	Off		<	<	Comp. Video	NTSC
25 PAL	Off	Off	Off	Off	Off	Off		<	<	Comp. Video	PAL
29.97 ND NTSC	On	On	Off	On	Off	Off		<	<	Comp. Video	NTSC
29.97 drop NTSC	On	On	On	On	Off	Off		<	<	Comp. Video	NTSC
30	Off	On	Off	On	Off	Off		<	<	Comp. Video	NTSC BW
30 drop	Off	On	On	On	Off	Off		<	<	Comp. Video	NTSC BW

- PsF = Recorded Progressive on tape,
output (component interlaced, segmented frame)
- FPS = Frames per second
- P = Recorded Progressive, output progressive not available, monitors flicker
- I = Recorded interlaced -- output, component interlaced
- Ⓜ = Mode switch to right
- < = Mode switch to left

Note 1. Dipswitch 6 on. gives double Trilevel progressive rates only with TC
FPS 25, 29.97, 30 Fps. (50P 59.94P 60P). Dipswitch 5 (Interlace) must
be off.

Note 2. Dipswitch 5 is interlace /PsF switch. When off, P format is produced

The trilevel sync waveforms are as specified in SMPTE 274- 1998 and ITU-R BT.709-4.

These two images are the green card label issued with the 202T March 2002:

AMBIENT RECORDING

VIDEO / WORD

Wordclock 48 KHz
Trilevel sync

OFF ON

1 2 3 4 5 6 7

24
23.98
25
29.97
29.97 drop
30
30 drop

ON Charge Nicads
Trilevel sync only, Off normal Fps, On double Fps
Trilevel sync only, Off Progr. P, On Interlaced, I/Psf
Composite video, Off PAL, On NTSC
Trilevel sync, Off Reserved, On Trilevel sync

OUTPUTS

TIMECODE

Lemo Socket
1 = GROUND
2 = TC IN
3 = AATON ASCII
4 = 12V IN / TUNE
5 = TC OUT

1
2 5
3 4

TEL. INT. 49 89 6518535
www.ambient.de

CLOCKIT TIMECODE TRILEVEL SYNC LOCKIT ACL 202CT

CLOCKIT TIMECODE COLOUR & TRILEVEL SYNC LOCKIT ACL 202T

TIMECODE

1
2 5
3 4

Lemo Socket
1 = GROUND
2 = TC IN
3 = AATON or GPS
4 = 12V IN / TUNE
5 = TC OUT

OUTPUTS

VIDEO / WORD

AMBIENT RECORDING

KONRADINSTR. 3 D-81543 MUNICH
TEL. INT. 49 89 6518535 www.ambient.de

NEW ADDRESS: Schleissheimer Str. 181c · D-80797 MUNICH

RED LED Blinks steady 1 sec intervals, Unit ON, OK. TC Gen starts from zero, but not sync to outside source. Blinks doubletime Battery low. Permanent ON, Latchup. Low Bat. or false input signal while setting. Switch OFF-ON to reset, rejam till green LED blinks.

GREEN LED Blinks steady 1 sec intervals, Unit ON, sync and set to external source. Doubleblink Battery low but time still OK.

SET with external TC.
Connect TC source. RED led shows, then GREEN led blinks. Remove Ext. TC on green phase or Jam-sync will repeat every 5 sec. NOTE: Only time value transferred (X JAM). Fps as selected.

SET with AATON ASCII Protocol.
Connect Origen C or Clockit Controller. Initiate, RED led shows, then GREEN led blinks. (See manual for Tuning and details).

- To ensure videosync stability, change batteries soon after doubleblink begins.
- Irregular LED blink: Timecode not sync with video or Trilevel sync. Rejam.
- At switch on Trilevel sync starts 10 sec. after Timecode.
- Read manual for all standards switch settings

Ambient promised an earth people friendly version soon. There are no conflicts between the cards and this book. The info presented here is more readable than anything else. (March 2002)

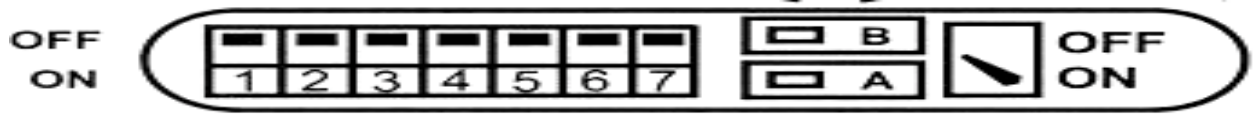
Switch Settings for 202C and 202T for 48K Wordclock – Audio use



Timecode FPS output	DIPSWITCHES							Modeswitch		Sync. Standard output	
	1	2	3	4	5	6	7	A lower	B upper		
							If NiCads=On If alkaline=Off				
23.98	On	Off	On	Off	Off	Off		®	<	Word- clock	48K
24 NTSC	On	Off	Off	Off	Off	Off		®	<	Word- clock	48K
25 PAL	Off	Off	Off	Off	Off	Off		®	<	Word- clock	48K
29.97 ND NTSC	On	On	Off	Off	Off	Off		®	<	Word- clock	48K
29.97 drop NTSC	On	On	On	Off	Off	Off		®	<	Word- clock	48K
30 NTSC	Off	On	Off	Off	Off	Off		®	<	Word- clock	48K
30 drop	Off	On	On	Off	Off	Off		®	<	Word- clock	48K

Chris Price (the designer) from Ambient Recording, Munich, Germany Tel: +49 89 6518535 has reviewed this table personally and you can be assured there are no errors. 03/22/02

Switch Settings For 202C NTSC and PAL -- Video Use



Timecode FPS output	DIPSWITCHES							Modeswitch		Comp. Video	Sync. Standard output
	1	2	3	4	5	6	7	A lower	B upper		
23.98	On	Off	On	On	Off	Off		<	<	Comp. Video	NTSC
24	On	Off	Off	On	Off	Off		<	<	Comp. Video	NTSC
25 PAL	Off	Off	Off	Off	Off	Off		<	<	Comp. Video	PAL
29.97 ND	On	On	Off	On	Off	Off		<	<	Comp. Video	NTSC
29.97 drop	On	On	On	On	Off	Off		<	<	Comp. Video	NTSC
30	Off	On	Off	On	Off	Off		<	<	Comp. Video	NTSC B/W
30 drop	Off	On	On	On	Off	Off		<	<	Comp. Video	NTSC B/W

® = Mode switch to right

< = Mode switch to left

The newer 202C can be updated to 202T by the factory.

The above was written by Wolf Seeberg wolfvid@attbi.com and fact checked by Chris Price from Ambient.
