

# Technical Bulletin

<b>Products:</b> TAU TV	<b>Models:</b> CT-32HX40 CT-36HX40	<b>Number:</b> TB-01-01
<b>Code:</b> B05	<b>Model Year:</b> 2000	<b>Date:</b> March 13, 2001

## Symptom:

1. Video flickering on the top half of the screen when viewing the broadcast from Star Choice satellite, using the GI HDD201 converter, in 1080i format.
2. Video jittering (V-size change) when viewing the broadcast from Express Vu satellite, in 1080i format.

## Cause:

1. Missing equalizing pulse in V-Blanking interval from Star Choice GI HDD201 converter.
2. Vertical frequency of the Express Vu is 60.9 Hz instead of 60 Hz. The MPU judges as an unstable signal.

## Remedy:

Reprogram the ERPROM registers using the remote transmitter, carefully following the instructions below:

1. Activate "Serviceman" mode (reduce volume to minimum, select channel 124, set sleep timer to 30, "Exit" then press "Vol -" on the TV set).
2. Press "Power" button on the remote control (service menu appears).
3. Press "MUTE" key on the remote control (more than 3 seconds) until the "A4 01 - -" data appears on the right bottom corner.
4. Press "MUTE" key again on the remote control until the data "00 R 000" appears (000 is the address of EEPROM).
5. Press "CH UP" key on the remote to change the address from 000 to 1BC.
6. By using "CH UP/DWN" key on the remote to change the address (Ex. 1BC to 1FF). By using "VOLUME UP/DOWN" key on the remote to change the data (Ex. address 1DF from 09 to 08), as the following:

Sub	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
1B													54	42	32	08
1C	5f	99	e8	08	5f	9a	03	08	5f	a0	e8	08	5f	a1	03	08
1D	f7	24	f6	08	f7	25	f8	08	f7	29	60	08	f7	2a	c1	08
1E	3a	32	42	08	3a	55	02	08	6c	2e	7d	ff	ff	ff	ff	08
1F	6a	fb	ea	08	6a	fc	07	08	88	c0	d0	08	88	cd	d0	58

7. Press "POWER" key on the remote (A4 01 - - register appears).
8. Press "CH UP" key on the remote to go to "A8 12 xx". Record the A8 12 data (e.g. xx).
9. Press "CH DWN" key on the remote to go to "A8 0D - -".
10. Using "VOL UP/DOWN" to write the data that recorded from A8 12 (e.g. xx) in the A8 0D register (A8 0D xx).

11. Press “CH UP” key on the remote to go to “A8 10 yy”. Record the A8 10 data (e.g. yy).
12. Press “CH UP” key on the remote to go to “A8 0B --”.
13. Using “VOL UP/DOWN” to write the data that recorded from A8 10 (e.g. yy) in the A8 0B register (A8 0B yy).
14. Keep pressing "CH UP" key on the remote control, until the register "A8 E4 28" appears.
15. Press "VOL DWN" key to change the value 28 to 09.
16. Keep pressing "CH UP" key on the remote control, until the register "AE 7B 78" appears.
17. Press "VOL DWN" key to change the value 78 to 04.
18. Unplug the set for 30 seconds, and plug it again
19. Reset the TV (Action + Power on the TV set).

**Note:** A 1080i signal source is not required to perform this adjustment. You can play any video source. For problem correction confirmation, 1080i signal from the Star Choice satellite with GI HHD201 or Bell Express Vu converter is required.