

How to switch the HP8711A VGA option

WARNING!!!

In case of errors this procedure can lead to unstable video screen.

In that case switch off the analyzer and then turn it on again. While the instrument is running through its initial self-tests press the PRESET key (the green one) for few times until the screen shows a message asking if the user wants to zero the internal SRAM. At that point press the BEGIN key (the orange one) and the system reverts to the original EGA video mode.

Please note that the above will erase any files saved to the internal RAM disk.

To turn on the VGA mode follow this procedure:

- A) press the SYSTEM OPTIONS key
- B) press the SYSTEM CONFIG soft-key
- C) press the OPTIONS SETUP soft-key
- D) press the SPECIAL OPTIONS soft-key
- E) type the Option Keyword VGA using the knob and the SELECT CHAR soft-key and confirm it using the ENTER key (or soft-key)
- F) a warning message instructs you that the VGA is not supported, but ignore it
- G) press the PRIOR MENU soft-key
- H) press the EXTERNAL CRT ADJUST soft-key
- I) press the VGA TIMING soft-key
- J) a terrific warning message and three beeps instruct you that you shouldn't do that, ignore it
- K) press the H=28kHz V=60Hz soft-key
- L) at this point the screen should be wrong since the horizontal pattern goes over the left screen border and its left exceeding part is drawn during the retrace.
- M) press the SERIOUS TWEAKS soft-key
- N) press the HORIZONTAL FREQUENCY soft-key
- O) turn the knob until the whole test pattern fits the screen (you must turn it counter clockwise).
If you attach a DSO to the back BNC video output, the synchronism should report a frequency of about 22kHz
- P) press the DONE PRIOR MENU soft-key
- Q) press the PRIOR MENU soft-key
- R) press the DONE PRIOR MENU soft-key
- S) press the EXTERNAL CRT ADJUST soft-key (this is necessary just to clear the noisy warning window)
- T) set the VERTICAL BACK PORCH to 622.8 μ s using the knob
- U) set the VERTICAL FRONT PORCH to 16.64952 μ s using the knob
- V) set the HORIZONTAL BACK PORCH to 9.12 μ s using the knob
- W) set the HORIZONTAL FRONT PORCH to 43.92 μ s using the knob
- X) press the DONE PRIOR MENU soft-key

How to switch the HP8711A TEST SET control option

To turn on the test set control follow this procedure:

- A) press the SYSTEM OPTIONS key
- B) press the SYSTEM CONFIG soft-key
- C) press the OPTIONS SETUP soft-key
- D) press the SPECIAL OPTIONS soft-key
- E) type the Option Keyword BEARS using the knob and the SELECT CHAR soft-key and confirm it using the ENTER key (or soft-key)
- F) press the PRIOR MENU soft-key

Anytime you want to control the test set you must press the SYSTEM OPTIONS key, press the SYSTEM CONFIG soft-key and then press the new TEST SET CONTROL soft-key to access the test set control function and settings.

Note: the test set must be connected to the back parallel port connector.

Supported test sets: 8711A-K02; 8711A-K72; 8711B-K72; 8711B-K04; 8711b-K08.