ADDENDUM for the D22 MANUAL

- **This addendum cover changes to the manual revision 3.1.**
- **Newest software is now 2.50.**

The Complete manual including the changes below can be downloaded from www.tcelectronic.com

Max Delay time
The D22 is now delivered with a max Delay time of 5200ms per channel. This applies for units with serial numbers above 2000990 (see backpanel of unit).
If your unit has a serial number below 2000990 the max. Delay time is either 1300ms or 2600ms.
For these units an upgrade-kit is available. Contact your local dealer for more information.

Frequently Asked Questions

Question: What parameters can be set using serial remote control of the D22?
Answer: Preset change, Delay time and Bypass using an RS485/422/232 controller.

Question: What serial protocol is used?
Answer: The serial protocol is 9600, N, 8, 1.
This means 9.6 kbaud, no parity, 8 bit, 1 stop.

Question: What is the command structure for the remote protocol?
Answer: #AA,CMD,VALUE<CR>

AA is Unit Address number as set on the Utility page.
CMD is command. Commands could be:
- PRE for preset change,
- BYP for Bypass,
- DEL for delay.

VALUE is (RAM) Preset number, 0 for Not Bypass, 1 for Bypass or amount of Delay.
<CR> is carriage return, the same as Enter or hex 0D.

Examples:
#05,PRE,10<CR> =Recall RAM preset no. 10 on D22 address 5.
#03,BYP,1<CR>   =Bypass D22 address 3.

All commands and numbers are shown as ASCII.

Question: What is the data length of the delay time?
Answer: The delay is always a decimal number related to the given delay unit of the D22. It is not possible to change delay unit via the RS-485, so you must set this manually before you send the command lines.

Example 1:
The delay unit is ms and you would like to set the delay to 10.5 ms:
#05,DEL,10.5<CR>

Example 2:
The delay unit is frames and you would like to set the delay to 10.5 frames: #05,DEL,10.5<CR>

As you can see there is no difference between Example 1 and 2.

Example 3: The delay unit is ms and you would like to set the delay to 10.5 frames:
You have to calculate the delay in ms yourself based on the fps setting and then send a command-line.

Question: What ASCII characters should be sent for Recall of RAM preset no. 10 on D22 address 5?
Answer: #05,PRE,10<CR> means these values (hex) actually transmitted 23 30 35 2C 50 52 45 2C 31 30 0D

If you have questions left unanswered by the manual and this addendum please refer to TC Support Interactive: www.tcsupport.tc

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