

LASERGRAPH DSP RELEASE NOTES 2022

Contents

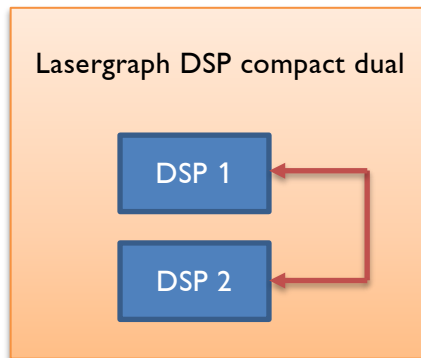
December 2022	2
Transfer of Shared Variables over Network	2
Increase of the maximum desktop resolution	5
New command "ImportEntries"	5
New command "DeleteDisplayZones"	6
Bugfixes	6

December 2022

Lasergraph DSP System Software 2022/12/12

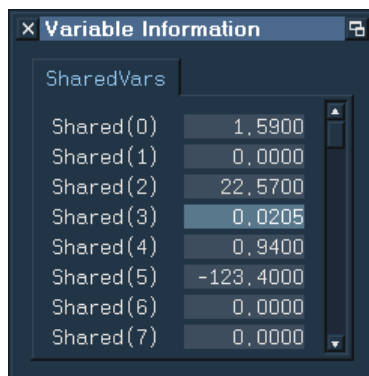
Transfer of Shared Variables over Network

Shared Variables are special variables which can be used for data exchange between different DSPs within a Lasergraph DSP workstation or a Lasergraph DSP compact dual:

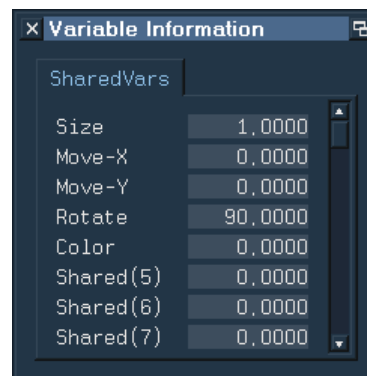


There are also many ways to interact with the Shared Variables:

- In the window "Variable Information" (command `VARINFO`) the Shared Variables values can be displayed and changed:



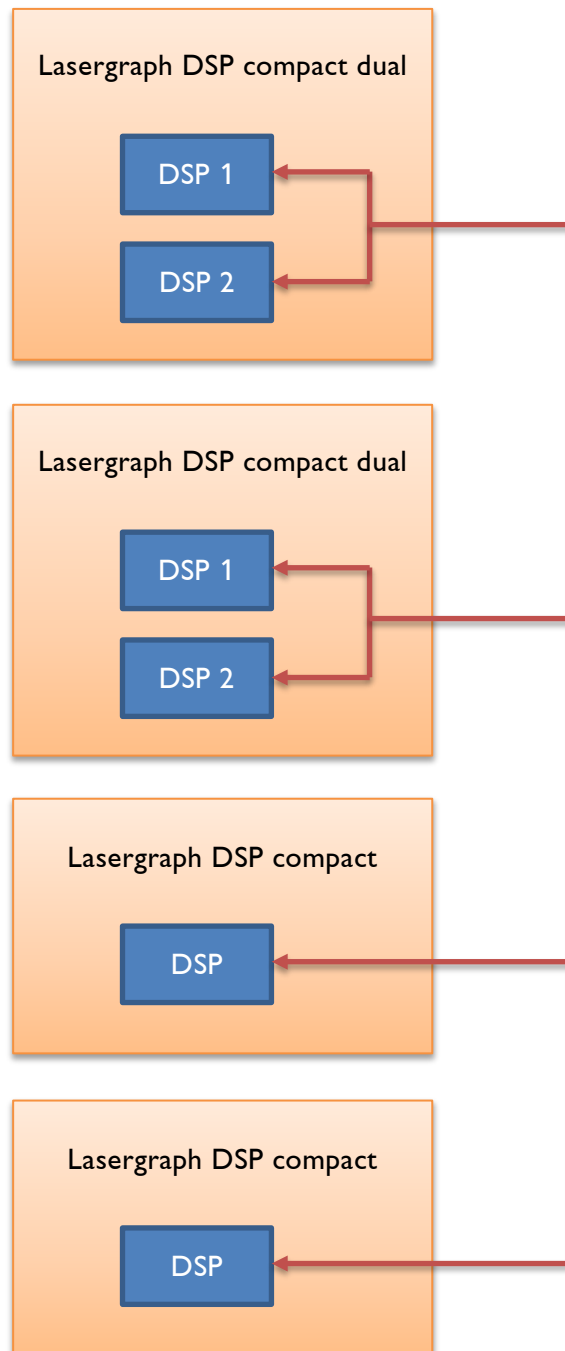
or



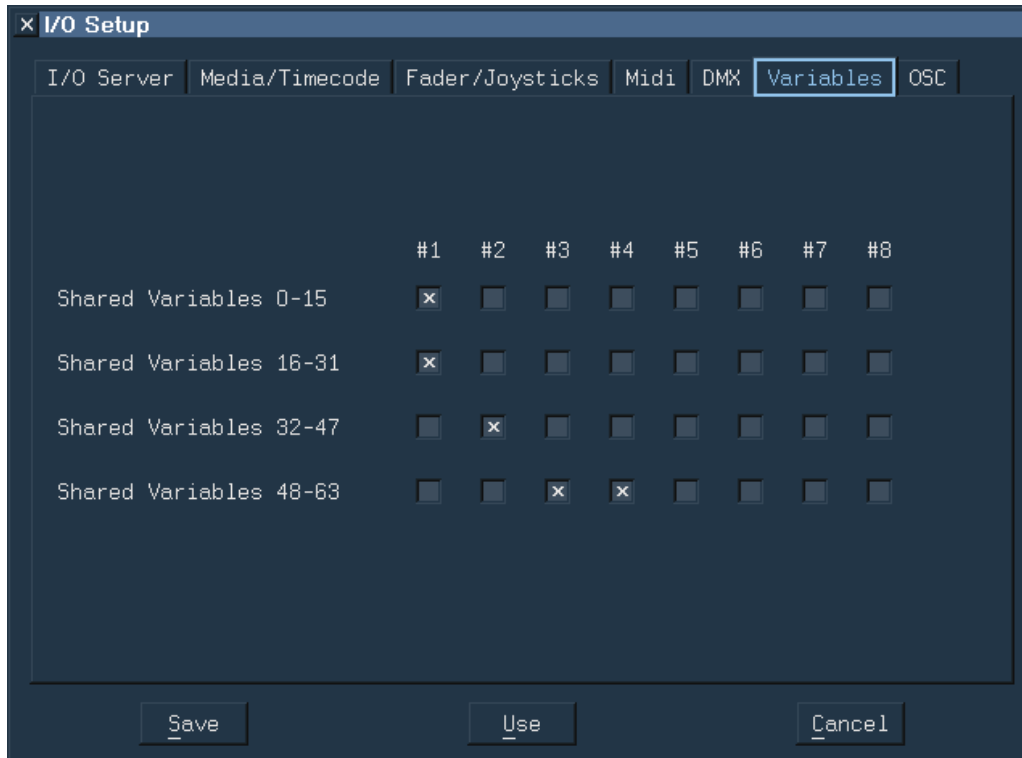
- The values of the Shared Variables can be changed by using the command line (commands `SHAREDvar.Set` or `SETSHAREDVAR`)
- The values of the Shared Variables can be changed by using `SerCmd (<sharedvar)`
- The values of the Shared Variables can be changed by using `OSC (/SharedVar)`
- The values of the Shared Variables can be saved with the command `SaveSharedVars` and can be loaded with the command `LoadSharedVars`

With the new release, it is now possible for DSPs located in different Lasergraph DSPs to exchange data over the network using the Shared Variables.

Example:



To configure the reception of Shared Variables from other Lasergraph DSPs, there is a new tab called "Variables" in the I/O Setup:



The 64 available Shared Variables are divided into 4 groups with 16 Shared Variables each.

For each of these 4 groups it can be defined independently from which servers they should receive value changes.

Notes:

- To use the transmission of the Shared Variables over network, the new system software must be installed on all participating Lasergraph DSPs.
- On a Lasergraph DSP workstation changes to the Shared Variables can only be received. Sending, on the other hand, is not possible because the CPU card is too slow for this.

Increase of the maximum desktop resolution

For the Compact, the maximum desktop resolution has been increased from 2048 x 2048 pixels to 4096 x 3072 pixels.

Even though in most cases a desktop resolution of 2048 x 2048 pixels is more than sufficient, the previous limitation prevented on large monitors the desktop of the Lasergraph DSP from being displayed at full screen.

See also LGRremote shortcut <Ctrl>+<Alt>+<Return>.

New command "ImportEntries"

The new command `ImportEntries` inserts empty `Entry` commands with timecode coming from a text file (e.g. *.CSV) at the current position in the Timescript.

It supports timecode with 25fps in the following format:

hh:mm:ss:ff or hh:mm:ss,ff

Thereby means:

hh = Hours
mm = Minutes
ss = Seconds
ff = Frames

Only the first timecode within a line is used.
Lines with no valid timecode are ignored.

Example:

#	Name	Start
M1	START TIME CODE	00:00:00:00
M2	START VIDEO PLAYBACK	00:00:01:18
M3	DIM UP SPOTS	00:00:12:08
M4	DIM DOWN AMBIENT LIGHT	00:00:18:07
M5	DIM DOWN SPOTS TO 25%	00:00:24:07
M6	FIRE PYROS	00:00:27:07
M7	VIDEO ENDS	00:00:35:23
M8	LASER ENDS	00:00:47:23

Text file

```

x W4 Script: <unnamed>
< Begin of TimeScript >
0:00:00,00 E:
0:00:01,18 E:
0:00:12,08 E:
0:00:18,07 E:
0:00:24,07 E:
0:00:27,07 E:
0:00:35,23 E:
0:00:47,23 E:
End of TimeScript

```

Timescript after `ImportEntries`

New command "DeleteDisplayZones"

In the Trickfilm Edit, the new command `DeleteDisplayZones` allows you to delete all Display Zone commands in which no DGC zone is selected.

This affects the following Trickfilm commands:

```
DisplayPictureZone  
DisplayAnimationZone  
DisplayBufferZone
```

Bugfixes

When using the Trickfilm command `SetBeamTimed`, the DSP did not wait long enough after turning on the blanking.

Even with correctly set scanning parameters, this resulted in visible defects:



Until now, the only way to fix this was to increase the number of "Post Blank On" repeats.

With the new version of the system software, this workaround is no longer necessary.