

# BRAINSTORM ELECTRONICS INC.

Intelligent Solutions for the Recording and Post-Production Studios

## Release Notes

October 2016

### SR-112 Time Code Distripalyzer - Software version 4.01

Version 4.01 for the SR-112 Time Code Distripalyzer is a free upgrade for all registered users.

#### **INSTALLATION**

Firmware update is done via the network using a standard browser. For details see pages 16-20 of the SR-112 User Manual.

#### **NEW FEATURES in version 4.01**

##### **1. CURRENT DATE AND TIME INSERTED IN TIME CODE REPORT:**

The current date and time are now inserted at the top of the time code report. It is also inserted in the time code report at reader 24-hour crossings.

```
6/17/2016 9:42:58 PM
*****
*          BRAINSTORM SR-112          *
*          Version 4.01              *
*          Time Code Distripalyzer    *
*          TIME CODE REPORT          *
*****
Errors and Events:
Generator Run                23:59:35:12
6/20/2016, 3:27:24 PM
24 Hour Wrap Around         00:00:00:00
```

##### **2. GENERATOR OFFSET FOR REPAIR MODE:**

A new menu was added, menu 27, labeled 'Rep Offset'.

```
-----
|>27 Rep Offset |
| + 11:59:59:29 |
|-----
```

- The "+" is that or "-".
- Numbers can be dialed in up to 23:59:59:29, but after entry they will be recalculated to fall within the +/-12 hour range. Offsets can be expressed as drop frame.
- Time Code Bypass is inhibited in Repair mode when the generator is stopped and the offset is non-zero.

##### **3. POWER UP ERROR BLACKOUT:**

To avoid false errors reporting at power up, a blackout period has been implemented where all error reporting is inhibited for 20 seconds following power up.

For more information on these new features, please download the user's manual at  
[www.brainstormtime.com/support.php](http://www.brainstormtime.com/support.php)

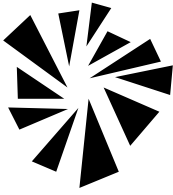
For more information, contact:

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# BRAINSTORM ELECTRONICS INC.

Intelligent Solutions for the Recording and Post-Production Studios

## Release Notes

October 2015

### SR-112 Time Code Distripalyzer - Software version 4.00

Version 4.00 for the SR-112 Time Code Distripalyzer is a free upgrade for all registered users.

#### **INSTALLATION**

Firmware update is done via the network using a standard browser. For details see pages 16-20 of the SR-112 User Manual.

#### **NEW FEATURES in version 4.00**

##### **1. SHOW REPAIR MODE:**

A new Repair option was added to menu 20 (Repair Mode) called '**SHOW**'. This option was specifically done for live shows with 2 main objectives:

- a/ the output will be a continuous time code stream (no drop out, no skipped frame and no repeated frame);
- b/ the generator will automatically re-jam when input time code jumps to a new location such as the start of the show.

To support this new SHOW option, 2 new menus were added:

- Menu 25: **Show Cue**
- Menu 26: **Show Cue Min**

***IMPORTANT NOTE:*** After a drop-out or some other source disruption, in SHOW REPAIR mode, the output TC frame number may not be identical to the input TC frame number. See 8.3 on page 10 of the TCG User Manual for details on this repair mode.

##### **2. SERIAL CONTROL:**

Capability has been added to control the SR-112/TCG via the new optional serial adapter (p/n SP/SR112). This includes commands such as START and STOP and settings such as Start Time and Time Code Format and many more. Also included is the capability to transmit Time Code over the serial port.

The SP/SR112 option is available now and includes a rear panel insert with the serial adapter as well as the complete TCG protocol documentation.

For more information on these new features, please download the user's manual at

[www.brainstormtime.com/support.php](http://www.brainstormtime.com/support.php)

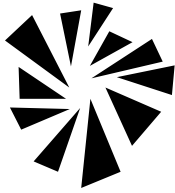
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## Release Notes

April 2013

### SR-112 Time Code Distripalyzer - Software version 3.01

Version 3.01 has just been released for the SR-112 Time Code Distripalyzer. This is a free upgrade for all registered users.

**WE STRONGLY RECOMMEND THAT ALL TCG USERS UPDATE THEIR UNIT** as this revision fixes a bug that was discovered in earlier versions (see notes below).

#### **CHANGES in version 3.01**

- Fixes a bug that could cause the TCG to stall during a timecode type change when the frame rate was increased (e.g. changing from 24 to 30 FPS).
- The default value for the rise time was changed from  $1\mu s$  (square wave) to  $40\mu s$  (SMPTE/EBU specs). The rise time value can still be changed in menu 02, as before,

#### **NEW FEATURES in version 3.00**

- New HTML page lets you monitor and access all functions of the SR-112 via Ethernet.
- New HTML page includes a comprehensive time code report.
- New Firmware Update page with Upload Status box.
- Updated Loader page.

For more information, contact:

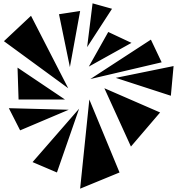
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# BRAINSTORM ELECTRONICS INC.

Intelligent Solutions for the Recording and Post-Production Studios

## Release Notes

Sept 2012

### SR-112 Time Code Generator - Software version 2.00

We are pleased to announce that version 2.00 has just been released for the SR-112 Time Code Distripalyzer. This is a free upgrade for all registered users.

#### **NEW FEATURES in version 2.00 (Sept 2012)**

- VIDEO DRIFT: absolute drift over time is now reported by detecting changes in the video phase.
- FEATURE KEY: this new menu enables purchased options, such as the **TCG (Time Code Generator)**
- The VIDEO REF LED will now blink if the generator is in Video Ref mode but video is not present.

#### **Version 2.01 (Oct 2012)**

- New 'GEN STAT' error: when the current TCG timecode type and/or rate is not the same as the "Gen Format" menu setting.
- The 'Copy' or 'Jam' indicator blinks in the GEN STATUS 2 page to indicate a problem in the setting of menus 23 or 24. When that occurs, the RESHAPE LED also blinks indicating that the generator cannot performed the repair.
- The CODE-VID error, active in REPAIR with VIDEO REF ony, indicates a mismatch between the input time code and the input video ref.
- Non-Generator status displays have been removed when in Generate mode.
- Timecode Reader errors are now disabled in Generate mode, as are the "TC IN", "OUT OF PHASE" and "DRIFTING" LEDs.
- Improved firmware upload procedure (reboot, verify).
- There is no longer any need to reboot the system after switching from DHCP On to DHCP Off **NEW**

#### **Version 2.02 (Nov 2012)**

- New menu 09 added for A/B phase with 50/60Hz video reference
- Small instability corrected in TC:Video phase measurement
- Preset output rise times chaged
- In GENERATE mode, the GENERATE LED will now blink if Video reference is selected and if the generator is not currently locked to the video.
- The accuracy of the phase alignment between the generator output time code and the video (or time code) reference has been much improved.
- The reference point for the SMPTE 295M standards ("1080i/25 295M" and "1080p/50 295M") was being incorrectly identified in previous versions, and this has been rectified.