



# **V Series Daisy Chain**

## **Manual & Specifications**

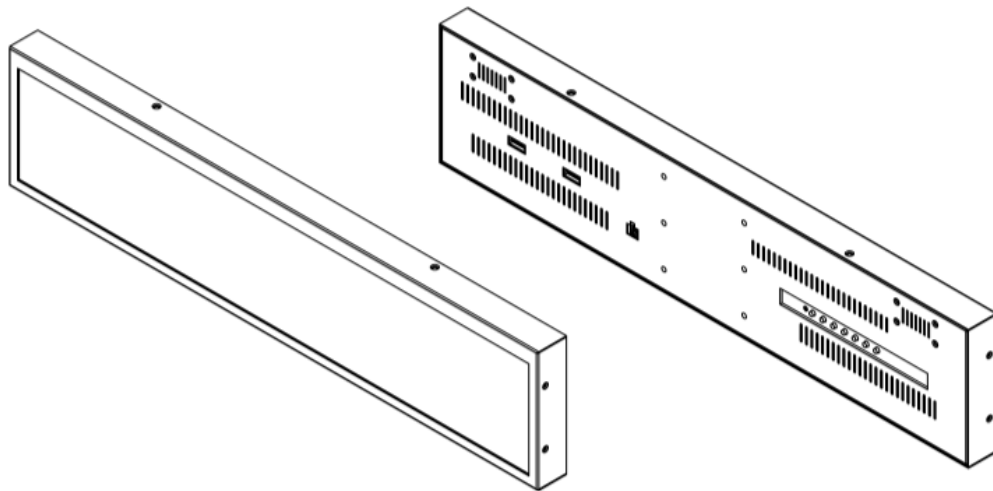
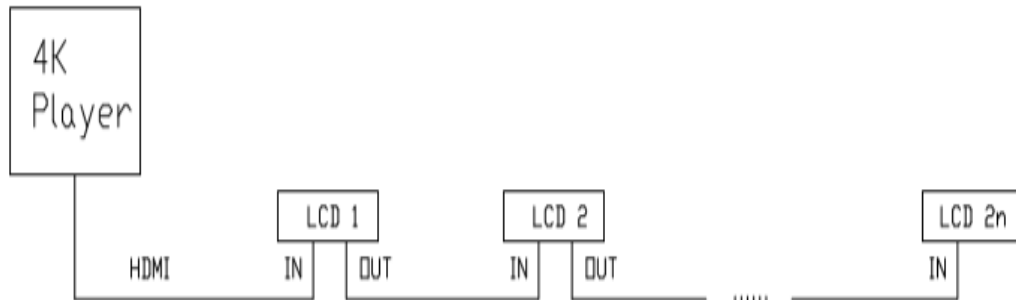
Version 1.0 / July 2<sup>nd</sup>, 2019

# Contents

|                             |          |
|-----------------------------|----------|
| <b>Overview</b>             | <b>3</b> |
| <b>Display Modes</b>        | <b>5</b> |
| Monitor mode                | 5        |
| Ad player mode              | 5        |
| <b>Firmware Update</b>      | <b>8</b> |
| <b>Accessing the Menu</b>   | <b>5</b> |
| <b>Setup</b>                | <b>4</b> |
| Assigning Screen Position   | 4        |
| <b>Specifications</b>       | <b>6</b> |
| LCD parameters of each size | 7        |
| Absolute maximum ratings    | 7        |
| <b>Ports</b>                | <b>6</b> |
| Power                       | 6        |
| HDMI in                     | 6        |
| HDMI out                    | 6        |
| TF card                     | 6        |
| <b>Support</b>              | <b>8</b> |
| Limited Warranty            | 8        |

## Overview

V Series Daisy Chain screens are a modified format of Bluefin's traditional V Series screen which accepts a single media player video signal and splits it across several ultrawide LCD screens.



## Setup

All V Series Daisy Chain screens have a width of 1920 pixels and vary in height. The height of the screen will determine how a 4k video feed (3840x2160p) is distributed.

### For 19", 24" and 28" LCDs

Supports up to 12 screens.

### For the 21" LCD

Supports up to 32 screens.

### For the 23.1" LCD

Supports up to 12 screens. Video must be portrait orientation.

### For the 36.6" LCD

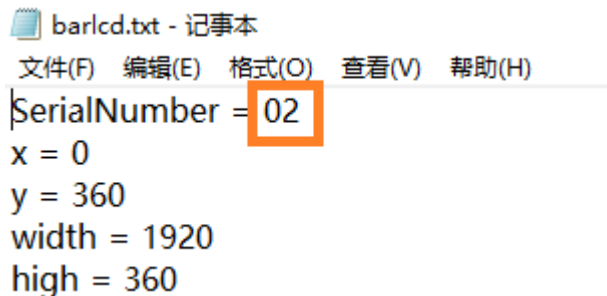
Supports up to 14 screens.

### For the 29" and 37" LCDs

Supports up to 8 screens.

## Assigning Screen Position

A text file may be used to assign which area of the 4K video feed each LCD screen pulls from. This text file, named **barlcd.txt**, must resemble the following format.



```
barlcd.txt - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
SerialNumber = 02
x = 0
y = 360
width = 1920
high = 360
```

1. Set variable SerialNumber = 01
2. Set variable x = 0
3. Set variable y = the vertical pixel height of your screen
4. Set variable width = 1920
5. Set variable high = the vertical pixel height of your screen

Save the barlcd.txt file and place it on a micro SD card. Insert this card into your first screen's micro SD card slot and power it on.

Once the screen has powered on, remove the micro SD card. The card has automatically been modified by this process and can be inserted into your second LCD immediately. Continue this for all LCD screens.

## Display Modes

### Monitor mode

The default mode of the player when an HDMI connection is inserted and no Micro-SD card is present. The player will display a pre-defined area of a larger HDMI signal. Micro-SD card firmware updates will redefine the area displayed.

### Ad player mode

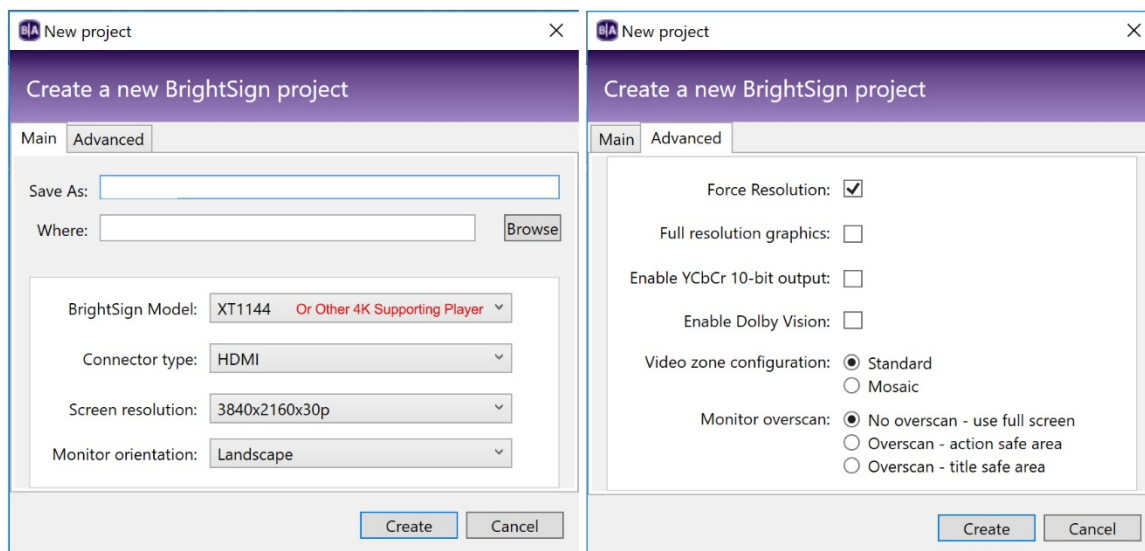
The default mode of the player when a Micro-SD card is inserted, and no HDMI connection is present. The player will display one or more looping videos of a resolution equal to the player's native resolution, located on the micro-SD card. Videos will display in numerical to alphabetical order of file name.

## Accessing the Menu

To access the V Series LCD menu, press the hard **MENU** button on the side of the unit **4 times within 2 seconds**.

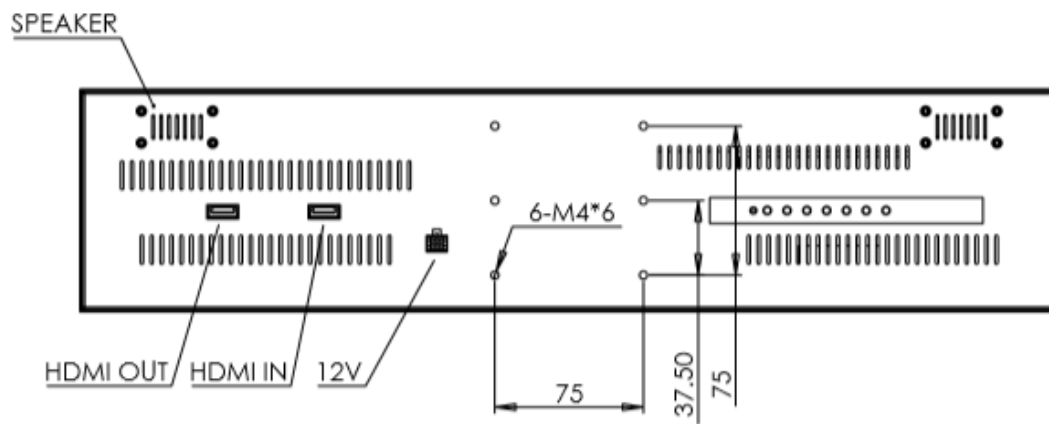
## BrightAuthor and Video Set-up

Please use the following settings when creating a presentation for the V Series Daisy Chain screens with BrightSign media players and 4K video.



For HD videos, the resolution may be set to 1920x1080 and Force Resolution may be unticked.

## Ports



### Power

DC 12V Molex 4 pin input

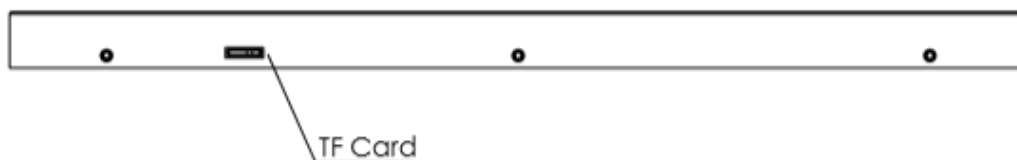
### HDMI in

HDMI 2.0/1.4 compliant input

### HDMI out

HDMI 2.0/1.4 compliant output

### TF card



TF card socket with protective cover

## Specifications

### LCD parameters of each size

| size  | label        | Resolution | Active area             | Brightness |
|-------|--------------|------------|-------------------------|------------|
| 19"   | 20-3002-1100 | 1920*360   | 476.64(H) × 89.37(V)    | 300        |
| 21"   | 20-3002-1104 | 1920*132   | 529.41(H)×36.39(V)      | 300        |
| 23.1" | 20-3002-1105 | 158*1920   | 585.6(H) x 48.19(V)     | 500        |
| 24"   | 20-3002-1108 | 1920*360   | 597.888(H) × 112.104(V) | 300        |
| 28"   | 20-3002-1106 | 1920*360   | 699.84(H)x131.22(V)     | 700        |
| 29"   | 20-3002-1110 | 1920*540   | 706.8(H) x 199.6(V)     | 500        |
| 36.6" | 20-3002-1107 | 1920*290   | 919.3(H) × 138.85 (V)   | 700        |
| 37"   | 20-3002-1111 | 1920*540   | 905.5(H) x 255.5(V)     | 700        |

### Absolute maximum ratings

| Parameters            | Value   | Unit     |
|-----------------------|---------|----------|
| Power supply          | 12      | Volt     |
| Storage temperature   | -10~+70 | Degree C |
| Operating temperature | 0~+60   | Degree C |
| Humidity              | 20~80   | %RH      |

# Support

*For information and support, contact [support@thebluefin.com](mailto:support@thebluefin.com)*

## Firmware Update

To update the Ad player function's firmware, insert a micro SD card containing the most recent **.bin** firmware file into the player and turn it on. Allow the player to restart after updating. Contact [support@thebluefin.com](mailto:support@thebluefin.com) if you require a newer firmware version.

## Limited Warranty

There are no warranties, which extend beyond the description on the face hereof. Bluefin warrants products to be free of defects in material and workmanship for the specified warranty period of 1 year from date of shipment from Bluefin. During this period, Bluefin will at its option, repair or replace this product at no additional charge to the purchaser except as set forth below.

- Bluefin, will, at its option, repair or replace products at no additional charge to the purchaser, if the defect is related to the Bluefin manufactured product, such as Power Supplies, Disk Drives, CPU Boards, Backplanes, Video Cards and other Peripheral Boards.
- Bluefin warrants that the product is free from defects in material or workmanship under normal operation.
- Replacement parts that are furnished at no-charge to the purchaser in completion of this warranty are warranted only for the unexpired time portion of the original warranty. Any repairs or services outside the scope of this limited warranty policy shall be at Bluefin normal rates with standard terms and conditions applicable.
- Bluefin is unable to provide loaner units or advance replacements.
- Repair parts and replacement products will be furnished on an exchange basis and will be either reconditioned or new. All replacement parts and products become the property of Bluefin.
- Bluefin is not responsible for damages outside of Bluefin's control including, but not limited to, physical damage, modifications to products, or improper packaging and handling.
- If items have been returned for warranty service and found not to be defective a nominal service expense will be charged to cover diagnoses, testing, return shipping and other related costs.
- This limited warranty does not include service to repair damage to product resulting from accident, disaster, misuse, abuse, modification, alteration, or if unauthorized repairs have been attempted.



- It is the customer's responsibility to back up the contents of their hard drive, including any data you have stored or software you have installed on the hard drive. Bluefin shall not be responsible for i) any loss of data due to storage media failure, ii) for any software programs, data or other information stored or used on any media or part of any product returned to Bluefin for warranty and non-warranty servicing. If during servicing the contents of the hard disk or any other data storage media are altered, deleted, modified or lost, Bluefin will not be held responsible. It is solely the customers/purchaser's responsibility to back up any software programs, data, or information stored on any storage media or any part of a product returned for servicing.
- Limited warranty service may be obtained by returning the product during warranty period to Bluefin along with proof of purchase and a Returned Material Authorization (RMA) number. The RMA number is obtained in advance from Bluefin and is valid for 30 days. The RMA number should be clearly marked on the exterior of the shipping container or equivalent.
- The customer or Purchaser prepays all inbound freight charges for both Warranty and Non-Warranty repairs. Bluefin is not responsible for damage during shipment. It is recommended that you either insure the product or assume full liability for loss or damage during transit.
- Bluefin will cover the return freight via ground/surface service only to the original ship to address for warranty repairs within North America. If you require overnight, expedited or overseas shipments, this service will be extra and at the purchaser's expense. You may pay freight by issuing a purchase order, credit card or wire transfer. Return freight can also be covered by offering your own carrier account number (freight collect) with your specified services.

In no event will Bluefin be liable for any damages, including lost profits, lost business, lost savings, downtime, or delay, labor, repair or material cost, injury to person, property, or other incidental or consequential damages arising out of use of or inability to use such product, even if Bluefin has been advised of the possibility of such damages or losses, or for any claim by any other party. The above warranty is the only warranty authorized by Bluefin and is in lieu of any implied warranties, including implied warranty of merchant-ability and fitness for a particular purpose. Bluefin reserves the right to waive its warranty policy if the customer fails to pay invoice in full and/or on a timely basis as set out on the face of the invoice. How to Return Products for Servicing: To return products, you must obtain a valid RMA number. RMA numbers can be obtained by calling 770-205-6636 or email us at [support@thebluefin.com](mailto:support@thebluefin.com).