318 MARTIN AVE
SANTA CLARA, CA 95050
Tel: (408) 734-9871 Fax: (408) 734-9874
E-mail: techsupport@digitaldlsplay.com
Web Site: http://www.digitaldisplay.com

DDS TimeNet 6.1 USB Features User Manual

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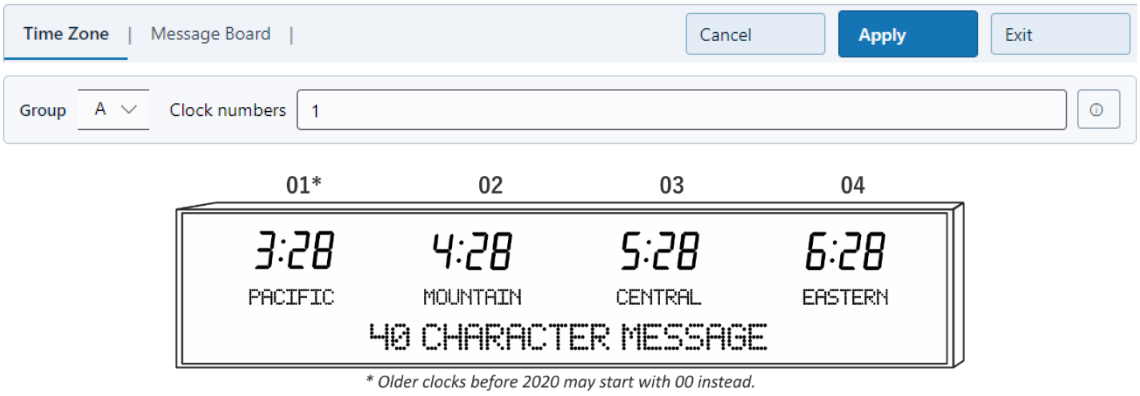
TIME ZONE CLOCK SETUP WITH DDS TIMENET

TimeNet from DDS is a windows-based application that provides a way for you to control and configure all your DDS time-zone clocks from a single PC. In addition to keeping all connected clocks synchronized to the second, the TimeNet application allows you to specify time zone, daylight savings, and the text display for individual clocks or groups of clocks.

QUICK START

Follow this order the first time:

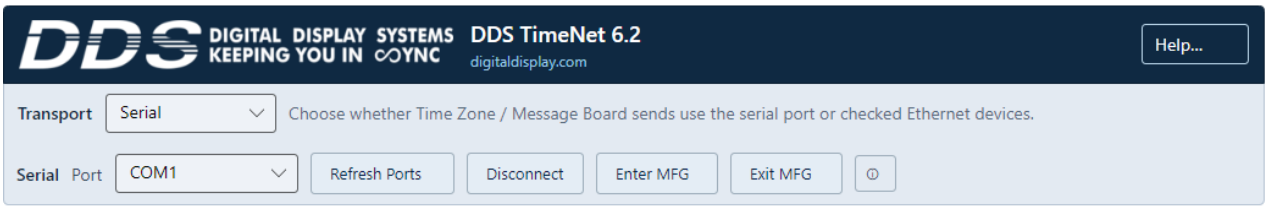
1. Open DDS TimeNet 6.1
2. At the top of the window, in the Transport box, it should say Serial
3. Click Refresh Port
4. Click on the Port dropdown menu and select the COM your clock is connected to
    a. To check which COM to pick, unplug the USB and check the dropdown menu.
    b. Plug in the USB again and pick the next dropdown option
5. Click the Connect button



** Older clocks before 2020 may start with 00 instead.*

6. Assign Group letter and Clock number. The clock number will be the zone you want to change the settings for. Look at the example above
7. *****IMPORTANT***** After typing what clock number you want to change the setting for, press **Apply**
8. You can now change the setting on your desired zone. Look at workflow for further details.

SERIAL TAB OVERVIEW

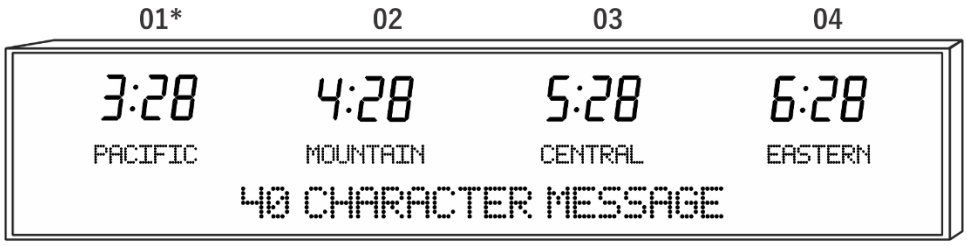


Timenet Toolbar
Quick start flow: Plug in clock, Refresh Ports, select appropriate COM, Connect

- **Port:** port for discovery packets
- **Refresh Port**: refreshes the USB discovery on this PC
- **Connect**: Connect to the clock via USB
- **Enter MFG:** enables or disables protected configuration work

TIME ZONE PAGE

Clock Number Example

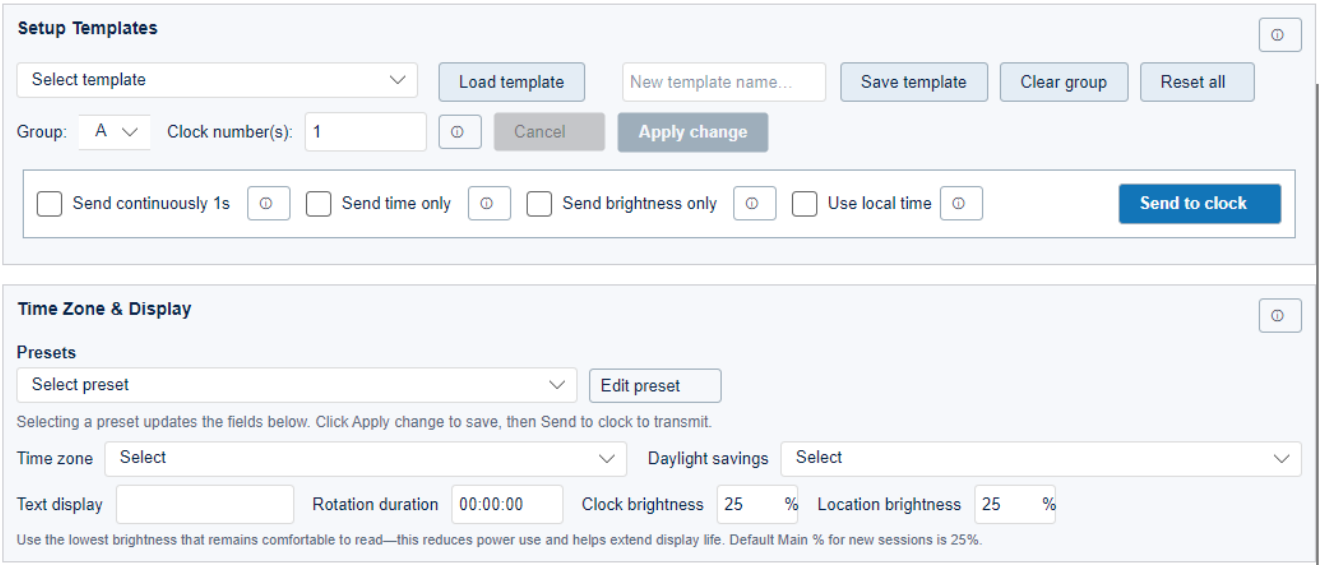


** Older clocks before 2020 may start with 00 instead.*

There are two ways to tell what "Clock number" each zone is.

1. Counting from left to right. The left most starting at clock 01 and so on. If the clock has LED dates per zone, they will also have a clock number starting after the rightmost clock face (left to right).

2. You can also find the clock number for each zone on your clock by powering the clock off and on. Each zone will flash their clock number at startup. Each zone will flash their clock number at startup.



In the screenshot above you can see the upper half of the Time Zone workflow

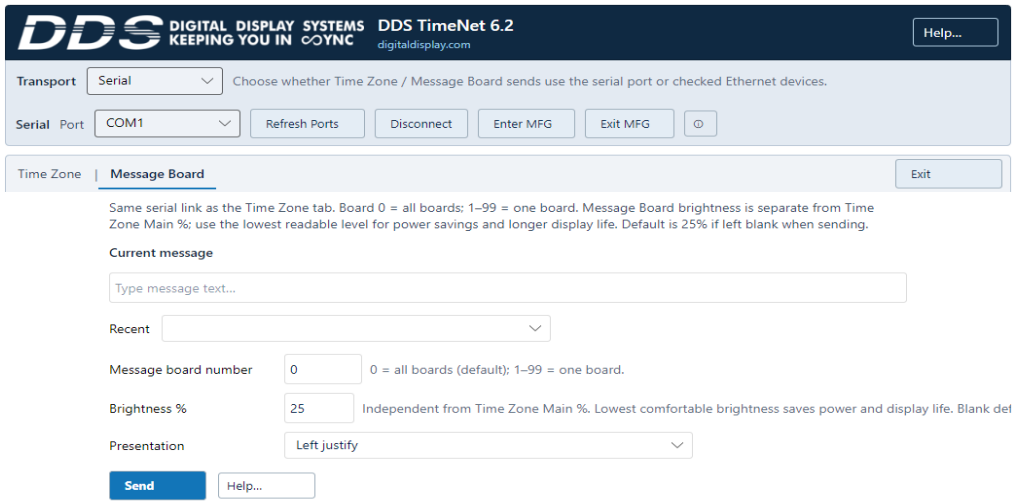
Field Meanings:

1. **Clear this group**: Clear all settings in this group to blank.
2. **Reset all Groups**: Reset every group (A-z) to the standard map (A = clock, B = 2,….) Discards all group edits not yet reflected in your saved templates
3. **Import settings**: Upload a previously saved setting to apply to another clock. Helps with moving saved settings between PCs
4. **Export settings**: Save the current setting into a file that later can be applied to another clock
5. **Save as Template**: Save the current setting as a template that can be applied later to another clock. This template, if not exported, will only be available on the PC it was saved on.
6. **Load template**: Use the drop-down menu to select previously a saved templates to load to current clock.
7. **Group Letter:** Assign group letter. By default, choose Group Letter "A" for the first zone on the right, "B" for the second zone, and so on. You can select an option from the dropdown, or you can manually type a letter.
8. **Group Clock Numbers:** See the above 'Clock Number Example'. You can also find the clock number for each zone on your clock by powering the clock off and on. If you want to change the first zone, set Clock

Number to “1”. If you want to change the second zone, set to “2”, and so on. You can select an option from the dropdown, or you can manually type a letter.

9. **Presets:** Pre-saved time zone settings. Includes Daylight saving settings.
    a. *Preset filter*: use to search up the time zone. Narrows the list down by what you type.
    b. *Drop down menu*: Saved Time zone settings. Scroll and select the desired time zone.
10. **Apply**: Apply settings for each group/zone before using send now to change the clock’s settings
11. **Time Zone:** Manually enter desired Time Zone. (See list of DST and time zone codes at end of instructions).
12. **Daylight Savings:** Enter desired Daylight Savings schedule. (See list of DST and time zone codes at end of instructions).
13. **Text Display:** Type in desired location name up to 10-15 characters, including spaces.
14. **Rotation Duration** is only available for supported rotating-zones products. Default is 00:00:00.
15. **Brightness %** Change brightness for clock time and location. Default brightness for time is 65% and for location is 25%.
16. **Send now:** Send and apply new settings to the clock.

MESSAGE BOARD TAB OVERVIEW



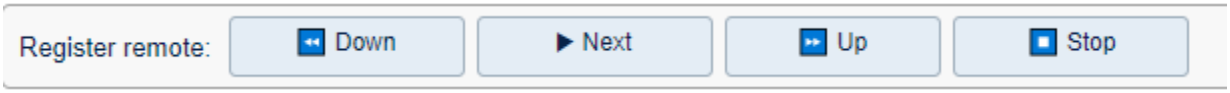
Field Meanings:

- **Current message:** the message text that will be sent to the clock
- **Recent:** previously used messages for quick reuse
- **Message board number:** 0 sends message to all boards, 1-99 sends to the targeted board
- **Brightness %:** Message board brightness; default is 25%
- **Presentation:** How the message is formatted when it is sent to the message board. (Left justify, centered, slow crawl, etc)
- **Send:** sends current message to checked modules
- **Help:** Open the built-in help for Message Board

Important:

- Message text can be up to 160 characters
- Use printable ASCII only
- Do not use line break, carriage returns, or tab characters

REGISTER REMOTE



Remote control option that allows the user to change the time by hours and minutes. For in depth direction, look on DDS webpage > Support> Instruction > Timezone Clocks > BTZ White Vinyl Zone Names > IRR Remote Instruction

ZONE WILL START FLASHING. PRESS **(PLAY ▶)** TO CYCLE THROUGH REGISTERS

There are eight registers. (1) Real Time, (2) Month/Day, (3) Year, (4)12/24Hour Format, (5) Daylight Saving Time, (6) Time Zone, (7) Brightness, and (8)Time Correction. The ▶ button will cycle between the registers, and the ◀◀ and ▶▶ buttons will be used to set the registers.

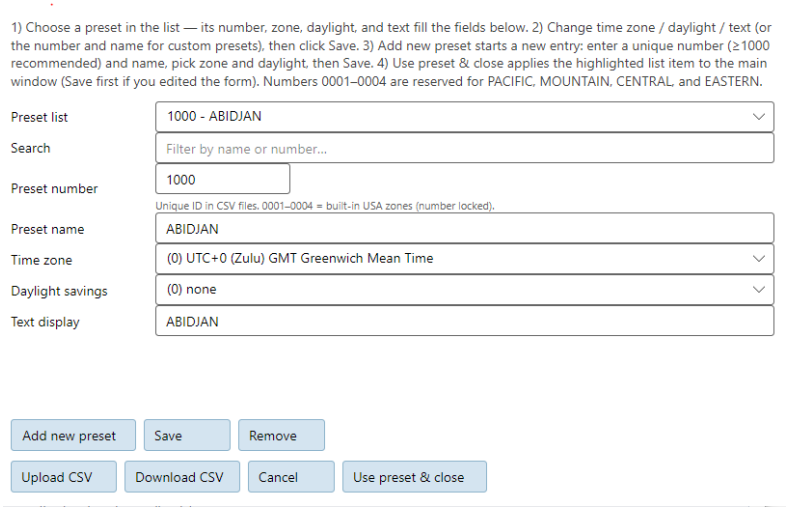
WORKFLOW

Important rules:

- Always press Apply on top of the Serial tabs before clicking Send to apply your settings. If this step is not followed, TimeNet has nowhere to send the setup
- Send now is the Ethernet send action

Time Zone Tab Workflow

Creating or Editing Presets



Presets provide an easy way to select Time Zone, Daylight Savings, and Display Text in a group. Click on the drop-down menu to view the presets. To edit existing presets and create new presets, click the “Edit presets” button. A new dialog window will open

To Create a New Presets:

- Click the “add new preset” button.
- Enter a new Preset Name, Time Zone code, Daylight Savings code, and Text Display. Then click ‘save’.

To Edit an Existing Preset:

- Select the preset you want to edit from the drop-down menu.
- Change the desired settings. Then click ‘save’.

To Delete an Existing Preset:

- Select a preset from the Preset Name drop-down menu. Click “Remove” button to delete.

Download CSV:

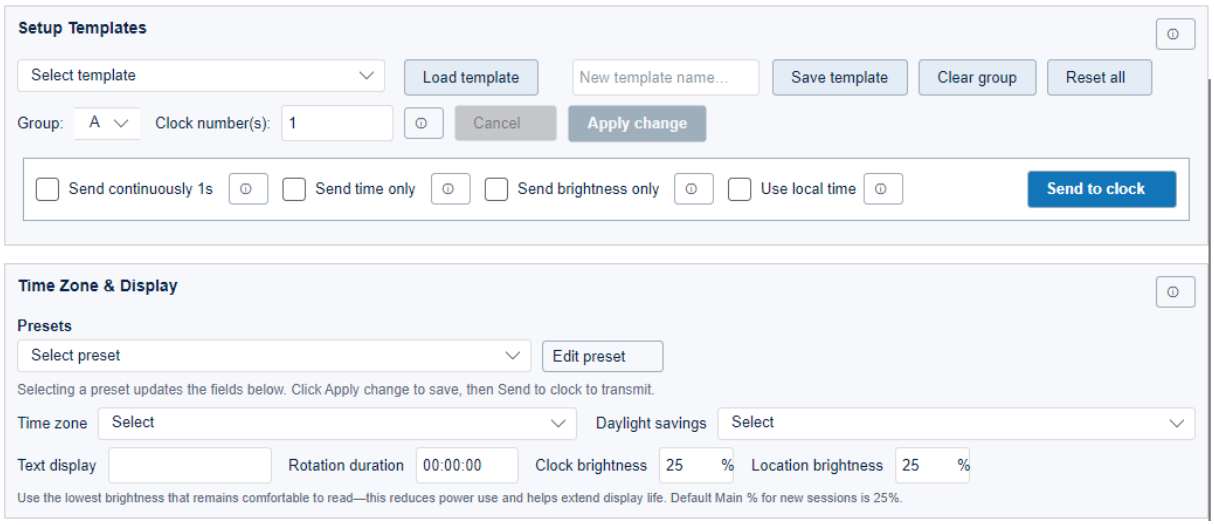
- Saves presets as a file that can be transferred to another pc

Upload CSV:

- Upload a saved preset and upload a preset to the PC's TimeNet

Time Zone Workflow

Follow the instruction in "**Quick Start**"



1. Change your time zone, either manually or with the presets.
    a. If you want to change the clock or location brightness, change the percentage below daylight savings
2. Click the **Apply Changes** button on the set up template bar above.
3. Click **Send to clock** to transmit the current Time Zone setup to your selected zone.

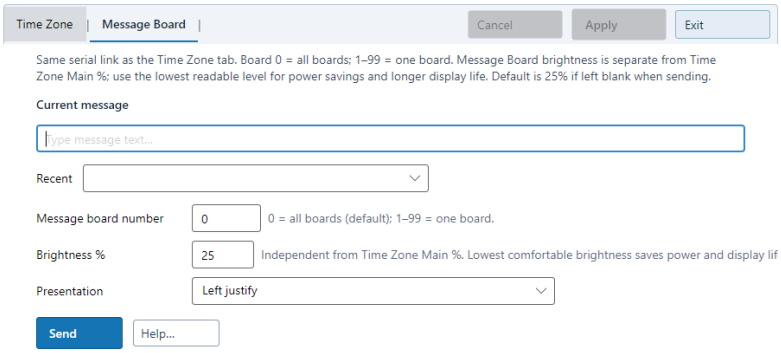
Changing Brightness

Brightness can be changed in tandem with the time zones being changed but can also be changed on it own.

Follow the instruction in "**Quick Start**"

1. Click on the "Send brightness only button"
2. Enter the desired brightness in Brightness %
    a. Main for the brightness for the clock numbers
    b. Locations for the brightness for the location names
3. Click the **Apply** button on the Timenet tool bar above.
4. Click **Send now** at the bottom of the window to transmit the current Time Zone setup to your selected zone.

Message Board Tab Workflow



Important Rules

- Message board brightness is separate from Time Zone brightness settings
- Does not require the serial COM link when Ethernet transport is active
- Message text can be up to 160 characters
- Use printable ASCII only
- Do not use line break, carriage returns, or tab characters

Workflow

Follow the instruction in "**Quick Start**"

1. Open Message board tab
2. Type your message into Current message or click recent to select recently used messages
3. Enter the desired value into the fields: message board number, brightness, presentation
4. Click Send

TROUBLE SHOOTING

Install USB Driver: No COM port found in Device Manager

If you're unable to find the USB COM port in the Device Manager, then you may need to install the USB driver first. The USB drivers can be found in the CD folder 'USB Driver' or our website: https://digitaldisplay.com/contact-us/instructions

a. Insert DDS Timenet CD into computer and open 'USB Driver' folder.
b. Open '**CDM21228_Setup**' folder.
c. Double click '**CDM21228_Setup.exe**' to run driver installer.
d. Click 'Extract' when prompted, then follow prompts to finish installation. You may need to unplug/replug the USB

"No Clocks Defined" Error

If you receive a "No Clocks Defined" error at the bottom, you must define each zone with a **Group Clock Number**. On most time zone clocks, the first zone will be either 0 or 1. You can find out the zone's clock number by powering off the clock, then powering it back on. The display will flash "CN # XX" in the first few seconds of starting up.

Daylight Savings Does Not Match

Please make sure you are using the correct Timenet version.

- Use Timenet 6.1 for clocks made after JUNE 2026
- Use Timenet 2.5 for clocks made after July 2019
- Use Timenet 2.1 for clock made before July 2019.

Clock Does Not Update After Setup

Please make sure any cable, either RS-232 or USB, are DDS-tested and approved. Digital Display Systems clocks are not guaranteed to work with other cables. Please contact us at (408) 734-9871 or sales@digitaldisplay.com to order one.