



The *Time Commander TZ Touchscreen IR Remote Control* allows for easy configuration of BRG Time Zone Displays. Configuring time display rules, digital labels, moving message text, time formats and more, with the ease of use and mobility of an IR Remote Control!

This guide will cover everything needed to get you familiar with how the *Time Commander TZ* interfaces with your clock. Not all features will be covered. For a more in-depth overview, please see the user manual for the clock found at:

https://www.brgprecision.com/pdffiles/BRG Mega Tiger Manual.pdf

NOTE: Not all clocks support every feature found in the Mega Tiger Manual





Main Window: This is where you will see general instructions, what Zone is selected, and firmware version.

1 Navigation: The Navigation buttons are found to the left and right of the Main Window. Escape This button exits current function, and restarts the clock. or Cancel Cursor Use this button to move the Zone Label cursor by five segments. → Tab Use this button to insert characters into Labels. Insert Cursor Cursor Moves cursor one segment at a time to the left or right. **←** Left Right Deletes characters ahead of the cursor. Delete Page Dn For clock displays with multiple pages. Page Up

Home



Puts the cursor back in the first segment.

Function Buttons:

Select This allows you to make sure your changes are only happening to one Time Zone Zone at a time. Once a Zone is selected, you will see it listed in the bottom left corner of the Main Window.

This is the offset from UTC/GMT. Use this function to set how many hours Time Zone before or behind the selected Zone is from UTC/GMT. Example: Central is 6 hours behind UTC/GMT so we would set Central as a -6.

Assigns the Daylight Savings Time (DST) rule for the selected Zone. There are several preset rules already configured in the *Time Commander TZ*. To create a custom DST rule, use **Config DST Rules** function from **More Config Options** page.

Set the format of the display to either show time in 12 or 24 hour format. 12 or 24 Hour

This function changes the color of individual numeric display in the selected zone. 0= Default (set with MODE 6), 1= Red, 2= Green, 3= Blue, 4= Yellow, 5=

Magenta, 6= Cyan, 7= White

Default

Intensity

This function is useful when two or more display zones use the same offset Zone and DST rules. For example, if display zone one was Chicago and display zone two was Dallas, display zone two could simply **point** to display zone one for rules. (By default, the display zone is the same as the Zone Pointer)

Using the Main Keyboard and Navigation buttons, you can configure all of Zone Labels the Digital Labels installed on the clock. When the keyboard is active, you'll see a flashing cursor in the first label segment of the clock. To set special display options, use More Config Options page. Must hit Save All after editing before exiting.

If installed in the clock, this function edits the embedded Moving Message Message Display. Once selected, the **Function Buttons** will change to:

> Transition This sets how long it takes before the message displays again (NOTE: Delay Must be done after typing in the message text, but before pressing Enter).

> > The default intensity of the text ranges from 1-15 with 15 being highest intensity.





Use this option before the message text you want to stand out from the Default Intensity.



Similar to **Insert Intensity**, use this to change the color of the text that follows.



This is how fast the text will scroll across the Moving Message marquee. 1= The Fastest, 5= The Slowest.



By default, the *Time Commander TZ* sends all of its commands to all clocks within the range of its IR. In cases where there are multiple clocks in the same room, it may be

beneficial to assign the clock a separate address using MODE 32-42. Once set, you can select the clock address as you would **Select Zone Number** to make changes to one clock at a time.



Main Keyboard: The main keyboard is used to enter text in labels, setting options within a function, as well as displaying help screens when editing certain functions. The **Shift** key will change the layout from Uppercase to Lowercase. It will also add a comma period and forward slash. (, . /)





This button will change the **Main Keyboard** and **Function Buttons**. The **More Config Options** keyboard is only used for certain **Function Buttons**.



Turns the sound the buttons make on or off.

Sets the display intensity of the *Time Commander TZ*.



BRG Clocks are configured to have an internal time set to UTC/GMT. UTC/GMT time must be entered in 24 hour format (HH:MM:SS). It is

recommended to enter a time in advance of the current time, and then press **Enter** once the UTC/GMT time is the same as what was entered.



Sets the UTC/GMT date. Must be entered in DD/MM/YY. Then press **Enter**.



This is used to set a custom DST rule. Follow the directions on the help screen that appears when selected.



The *Time Commander TZ* is programmed to accomplish most tasks needed; however, for times when MODES need changed that are not preprogrammed

into the *Time Commander TZ* we can use **Change Any Mode**. Use the MODES found in the *Mega Tiger Manual* starting on page 35.

NOTE: If the <u>Mega Tiger Manual</u> shows N/A for any mode address or value, you must type "0" and press enter.

Mode Address 1= First Menu Level Mode Number

Mode Address 2= Second Menu Level

Mode Value 1= Value Range

Mode Value 2= Used for second Value Range if MODE supports it.





Use this function to Reset the Clock, Restore a User Backup, or Restore Factory Defaults.



Every change made to the clock's labels or time zones is considered temporary until saved. This means that if we exit or restart the clock without saving first, all changes will be lost. **Save All** is not a substitute for saving a user backup.

Getting Started

There are a few steps we can take to insure the best possible experience with the *Time Commander TZ*:

Save the current clock configuration as a user backup. This will allow us to always get back to our current starting point. (*Note: If you received the clock and Time Commander TZ* at the same time, this has already been done from the factory)

Hold the MODE button on the clock or black IR remote. You will see "2222" start flashing on your first display. It will slowly start to count up. Once it gets to "4" release and hit TIMER CONTROL. You will see "4" stay on the display. Once time is displayed, the current configuration will be saved as a user backup. Summary: Hold MODE, 2222 flash, 2222 solid, 0, 1, 2, 3, 4, release, hit TIMER CONTROL, 4 stays displayed, Time displayed

Make sure the *Time Commander TZ* is fully charged. We recommend placing the *Time Commander TZ* on the charger before turning it on, allowing it to



charge for at least 30 minutes. You can also operate the *Time Commander TZ* while plugged in.

Get familiar with the MODES and *Mega Tiger Manual*. Although not necessary for communication with the clock, it is useful to be familiar with the functions of the Mega Tiger Processor found in your clock.

Note: Not all functions will be applicable for your clock. MODES start on page 35 of the Mega Tiger Manual



Sending Your First Command

 Standing 10-15 feet away from the clock with the *Time Commander TZ* switched off; point it in the direction of the IR receiver on the clock. Turn on the *Time Commander TZ* and wait for the *Main Window* to display directions.





IR Receiver shown above in clock display lens. Some models have the IR behind the lens.

2) To confirm you are "talking" to the clock, press Number and confirm that the individual displays on the clock show their display number as shown in the help screen on the Main Keyboard.





3) Now you can select a zone number and press enter. The Clock should return back to time. You are now ready to start editing the selected zone!



Troubleshooting

IR (infrared) communications are known for their ability to send and receive data wirelessly. Since IR transmissions are invisible to the naked eye, it may be difficult to troubleshoot communication. Here are some helpful tips in the event you find the *Time Commander TZ* is not communicating with your clock:

NOTE: If a command from the **Time Commander TZ** gets interrupted (i.e. when selecting the zone number, the clock stays displaying the zone numbers.) Do not hit escape, but instead select the function button again and resend the command. If this does get the clock back to displaying time, continue with the troubleshooting steps. **If at any point the clock restarts** and the display defaults (showing seconds/blank/year), use the Any Mode function under More Config Options. Enter 21(display format) for Mode Address 1 and press enter. Enter the Display Number (display that is no longer showing time from left to right) for Mode Address 2. Enter 31 for Mode Value 1 and press enter. 0 for Mode Value 2 and press enter. Time should come back, repeat as needed for other displays. If this does not work, restore clock from user backup created earlier.

- Is the *Time Commander TZ* fully charged or plugged in? With its full color touchscreen and the large commands it can send, it is important that the *Time Commander TZ* has enough power. If the *Time Commander TZ's* screen starts to flicker and turn off and on, plug it in immediately.
- 2) Are the clock and *Time Commander TZ* within "line of sight," of each other? The IR receiver and transmitter need to be within line of sight. If the receiver cannot "see" the transmitter, no data will be passed.
- 3) Is the communication being interrupted by excess light pollution? In some environments, the IR communication may be interrupted by excess sunlight or overhead fluorescent bulbs. To test if this is the case, turn off all lights possible and close blinds before editing the clock. Usually, you can trace the excess light pollution to one or two sources.
- 4) Confirm the IR is firing on the *Time Commander TZ*. To do so, use a smart phone with a camera. Point the camera at the IR on the *Time Commander TZ*. Send a command and you should see the IR bulb light up on the smartphone's screen.



If none of these steps help, please contact BRG Technical Support at 800.295.0220 or 316.788.2000 for international customers.