

Master Clock (V2)



Highlights

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- LED display for a clear, accurate readout
- ***NEW*** (S)NTP Input Capability
 - Up to ten server addresses can be pre-programmed into the unit for continuous, accurate synchronization (with web interface software upgrade)
 - DHCP Capable
- Interfaces with other systems
 - Interfaces with 59 and 58 minute correction, National Time and Rauland, as well as Dukane digital
- 12 or 24 hour mode
- Automatic bi-annual daylight savings time changes (when used as a primary master clock)
- ***NEW*** Bias seconds output
 - Adjust the time plus or minus a few seconds or minutes to fit your application, while still receiving an input from another source
- RS485 input and output for time correction and synchronization
- Two relays for simultaneous correction of two synchronous-wired clock systems
- Microprocessor based
- Ten year battery backup for timekeeping
- GPS input (V-GPSA/V-GPS-TX only)
- Wireless Transmitter/Repeater for correction of the Valcom wireless analog clocks or Valcom digital clocks (V-WMCA/V-GPS-TX only)
- ***NEW*** Web interface software
 - Extremely intuitive graphical user interface that allows the user to configure all of the settings of the master clock through a simple web interface
 - Control of all of the IP settings

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Specifications

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- Time base: Crystal
- Voltage input: 85 - 265 VAC, 50/60 Hz
- Display: .56" LED display
- Color: Black
- Housing: Smooth surface metal case
- Temperature range
 - Operating: 0°C - 45°C
 - Shelf: -15° - 70°C
- Calendar: Built-in calendar with leap years
- Inputs: GPS (optional), SNTP, Wireless repeater, RS485, 58 minute correction, 59 minute correction, National Time and Rauland, Dukane digital
- Standby time keeping: Ten (10) years
- Memory: Non-volatile EEPROM
- Outputs: RS485 and 2 clock circuits
- Optional outputs: Valcom Wireless Communication (V-WMCA only/V-GPS-TX)
- Housing dimensions (LxWxD): 11" x 17.5" x 1.75"
- Mounting: Wall mount or rack mount
- Weight: 6.5 lbs.
- Compliance: UL, cUL listing - FCC approved, part 15 section 15,247

Transmitter - V-WMCA/V-GPS-TX only

- Input sensitivity: -103 dBm
- RF signal output: 30 dBm (1 watt)
- Transmission frequency: 915 - 928 MHz frequency-hopping technology

GPS - V-GPSA/V-GPS-TX only

- Antenna: Thread mount bullet on 3/4" conduit
- Antenna dimensions: Diameter: 3.04" Height: 2.94"
- 75 feet of RG58 included*

*Optionally, up to 150 feet of RG59 may be utilized

Ordering Information

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Master Clock

<u>Part Number:</u>	<u>Description:</u>
V-WMCA:	Wireless Master Clock
V-GPSA:	GPS Master Clock
V-GPS-TX:	Wireless Master Clock with GPS