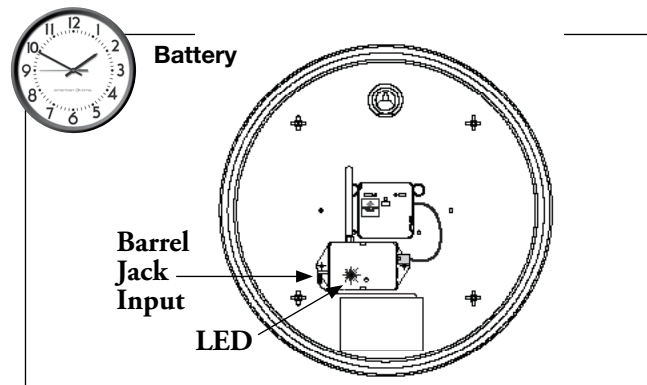# 6 Activate and hang your clocks

Don't activate the battery or apply power to the clocks until the system controller is installed and transmitting and the clock is in the intended location.

Activation Note: Clocks should be installed within 24 hours of installing the system controller. After 24 hours, the system controller will enter Quiet Mode. Pressing 3-5-7 on the keypad will disable Quiet Mode for 6 hours. Reference Appendix J in the SiteSync IQ Installation and Operation Manual for more details on Quiet Mode.

Battery Analog Clocks

1. Take the clock to the area where it will be used.
2. To activate the clock, connect barrel jack plug of battery pack to wireless receiver. The LED on the back of the clock will flash red within 30 seconds of power-up to indicate receiver is looking for the wireless signal.

   When the signal is received, the LED will flash green. Be patient. The clock hands will rapid advance to the correct time. This may take up to 7 minutes.
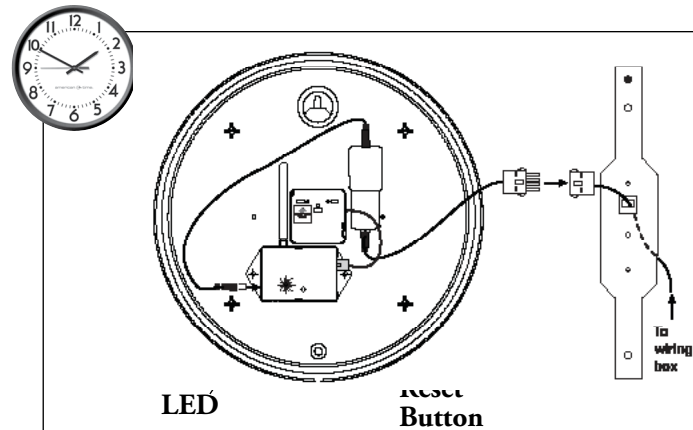3. Hang the clock after hands are rapid advancing.

Note: If the LED does not flash within 30 seconds, remove the barrel jack plug of the battery pack from the wireless receiver for 5 seconds and reconnect it. This resets the receiver. The LED will begin flashing within 30 seconds.

Battery
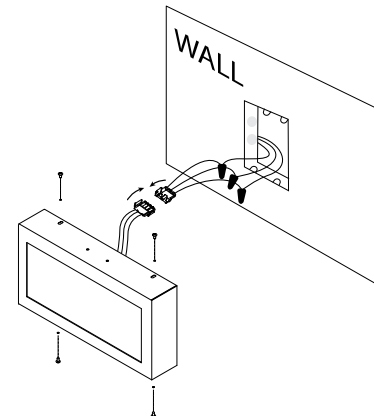Barrel Jack Input
LED

Electric (AC) Analog Clocks

1. Take the clock to the area where it will be used.
2. To activate the clock, connect to AC power. The LED on the back of the clock (see below) will flash red within 30 seconds of power-up to indicate receiver is looking for the wireless signal.

   When the signal is received, the LED will flash green. Be patient. The clock hands will rapid advance to the correct time. This may take up to 7 minutes.
3. Hang the clock once signal reception is verified and clock is operating correctly.

Note: If the LED does not flash within 30 seconds, disconnect the barrel plug on the clock receiver, wait 10 seconds and reconnect. The LED will begin flashing within 30 seconds.

LED
Reset Button
To wiring box

American Series Digital Clocks

1. Take the clock to the area where it will be used.
2. To activate the clock, connect to 120vac power.
3. Display will flash "U40" or 1:00 o'clock until it receives a signal.
4. Verify synchronization takes place within 2-5 minutes

WALL

Your SiteSync IQ system is now set up for proper operation. For information on other features, see the Installation and Operation Manual that was included with your system. If you have any questions, please contact Technical Support at American Time: **800-328-8996**.

SiteSync IQ® Wireless Clock System
Standard GPS with Campus TX Antenna & External Transmitter

STOP

Please read this first!

After determining the proper wattage for your facility, we guarantee the coverage of your SiteSync IQ when you follow a few simple steps. If this is your first installation or you have questions at any time during this process, please call American Time toll free at **800-328-8996**.

We're here to help!

This Quick Start Guide will help you avoid three common installation mistakes:

1. **Improper location of transmitting (TX) antenna.** A temporary install of the system controller is recommended.

   Don't drill holes for permanent installation and mounting until the system is working correctly.

2. **Improper system controller start-up.** A successful transmission is indicated by a TX in the lower right-hand corner of the system controller screen.

   Don't locate the campus TX antenna within 4' of the system controller.

3. **Improper clock start-up.** Activate clocks in their intended location.

   Don't activate the clocks in one room and move them to another location as signal reception will not be verified. Make sure the system controller is transmitting and is not in Quiet Mode.

Important Note: Clocks should be installed within 24 hours of installing the system controller. After 24 hours, the system controller will enter Quiet Mode. Pressing 3-5-7 on the keypad will disable Quiet Mode for 6 hours. Reference Appendix J in the SiteSync IQ Installation and Operation Manual for more details on Quiet Mode.

american time.
Integrated Solutions

phone: **800-328-8996**   fax: **800-789-1882**   online: **american-time.com**

mail: **140 3rd St. So.; PO Box 707, Dassel, MN 55325-0707**

1 Unpack the box

1. Remove the components and system controller from the box. Save the packing materials in case you need them later.
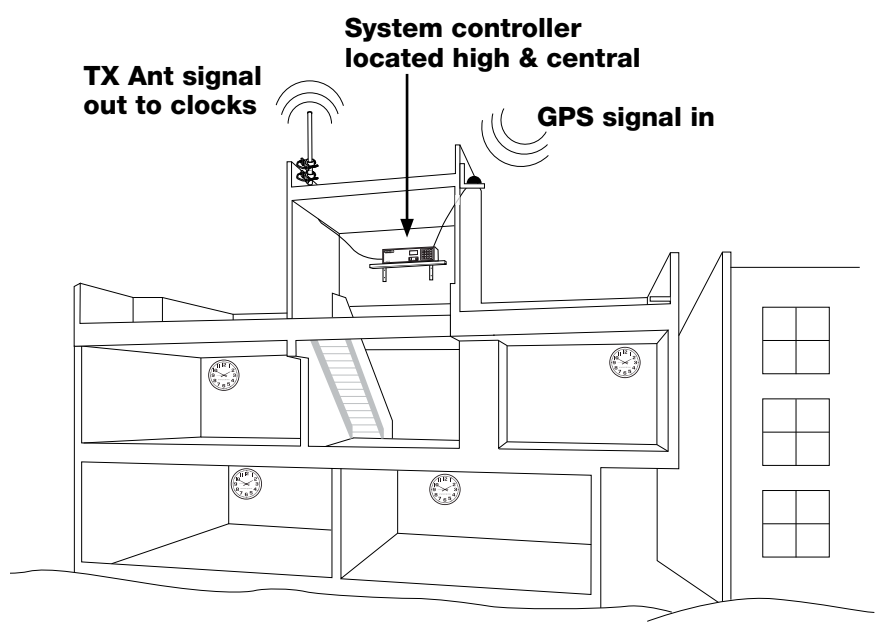
2 Check the components

Your system kit comes with:

- System Controller
- GPS receiver with 15' cable and mounting bracket (A)
- Power supply (B)
- Campus TX antenna kit (C)
- 9 pin data cable (D)
- External Transmitter and power cord (E)
- Installation and Operation Manual

3 Choose your location

- Choose a location for the GPS receiver outside, mounted parallel to the horizon, with a clear view of the sky and the label facing up. The included mounting bracket allows for mounting on the side of a building or other structure.

  Avoid high voltage equipment and excessive roof overhang when choosing a location.

- Choose a location for your campus TX antenna either outside or inside at the highest central location in your facility.

  The TX antenna must be located at least 4' away from the system controller

TX Ant signal out to clocks

System controller located high & central

GPS signal in

4 Connect cables to the system controller

A. Connect the GPS antenna to the STD GPS RJ45 port.

- If desired for a redundant connection to the time server, connect a CAT5 or higher Ethernet cable to the Ethernet port. Refer to the SiteSync IQ Installation & Operation Manual for detailed instructions on using multiple time sync methods.
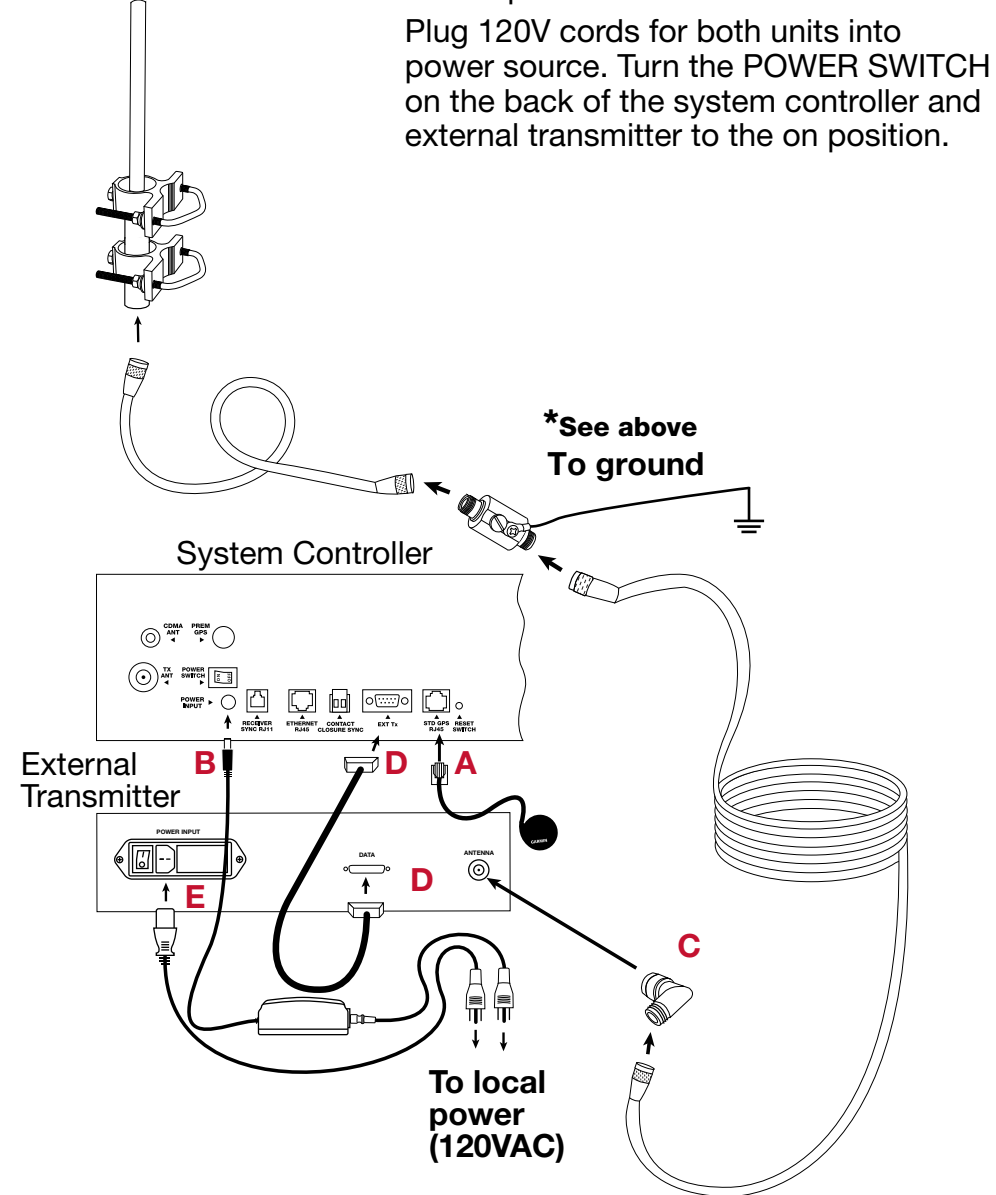
B. Connect the System Controller power supply to the POWER INPUT port.

C. Connect campus antenna to ANTENNA port on the External Transmitter. *Lightning arrestor must be grounded per local electrical code.

D. Connect the 9 pin data cable to the DATA port on the External Transmitter.

Connect the 9 pin data cable to the EXT TX port on the system controller

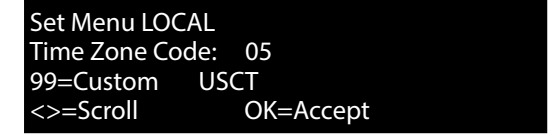**E.** Connect the External Transmitter power cord to the POWER INPUT port on that unit.

Plug 120V cords for both units into power source. Turn the POWER SWITCH on the back of the system controller and external transmitter to the on position.

*See above To ground

System Controller

External Transmitter

To local power (120VAC)

5 Use the Setup Wizard

1. Press 1 to start the Setup Wizard *(Page 9 in Installation Manual)*

2. Create a 4 digit **User Lock** or enter 0000 to disable this feature. Press 0. Tip: Record this password.

   ____ ____ ____ ____

3. Create a 4 digit **Service Lock** (for advanced features) or enter 0000 to disable this feature. Press 0.

   Tip: Record this password. ____ ____ ____ ____

4. Select local time zone by using the <> keys. Press 0.

   ```
   Set Menu LOCAL
   Time Zone Code:   05
   99=Custom     USCT
   <>=Scroll        OK=Accept
   ```

USET=Eastern USCT=Central USMT=Mountain USPT=Pacific
Note: There are 40 options to choose from.

5. Press 8 to select automatic DST (Daylight Saving Time) or 0 to disable DST if your location doesn't observe DST.

   Press 0

6. Press 1 for 12-hour mode - AM/PM (1:00PM).

   Press 2 for 24-hour mode - Military (13:00).

   Note: Screen will advance immediately

7. To confirm proper set up, press 8 to sync.

   - If successful, "GPS Sync Successful" will display
   - If not successful, "GPS Sync Failed" will display. Re-try by pressing 8 again.

8. "Setup Wizard Successfully Completed" will display.

The system controller now shows the correct time and date. You will no longer be prompted on power-up for setup information.

9. **Verify the unit is transmitting.** TX should display for about three seconds every 30 seconds (approximately the top and bottom of every minute) in the bottom right corner of the screen.

```
MON  MAR  10  2014
10:38:06 AM  USCT
American Time
Status=AUTO              TX
```