2016

World Clock Manual
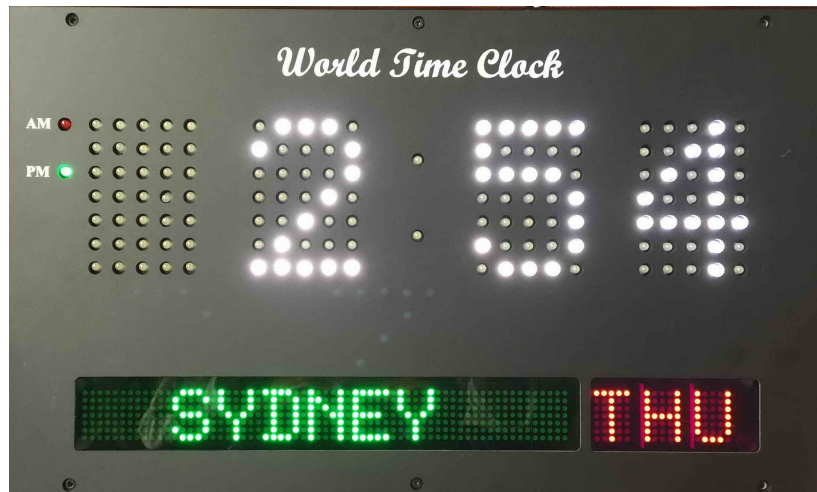
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[WORLD TIME CLOCK]

The best solution for multi-display World Time Clock.

Descriptions

Size: 50(W) x 30(H) x 5 (D) cm, Weight: 3Kg

Usage

This world time clock is useful for hotels or any places that need to see different time of the cities in the world. User can buy one world time clock to show different cities time in turns or buy more world time clocks to see different cities.
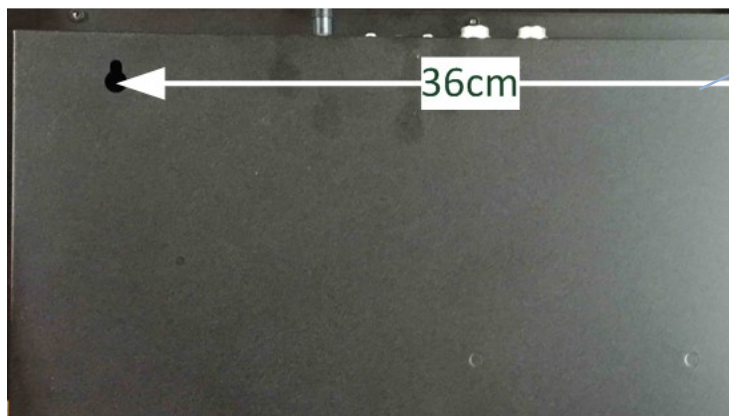
Features

1. This is a world time clock that can display different cites of the world in turns.

2. It can show local time then display other cities' time in the world with different time zone and different DST changing time. The cities to be displayed can be selected from 1 city to maximum 24 cities; the duration of each city time displayed can be set from 3 to 6 seconds.

3. Maximum 6 world time clocks can be cascaded use and synced to the master one. Each world time clock can be programmed to show different cities. One power supply can offer power for maximum 6 clocks, if more than 6 clocks, another power supply can be used.

4. The master world time clock has 2 optional functions to get standard time:

   A). Sync to NTP time server via internet or intranet.

   B). Sync to GPS receiver.

5. The world time clock synced to NTP server or GPS will always keep the correct time, no need to adjust. If the clock is running at its internal crystal time base, the accuracy can be +/- 0.2 seconds a day.

6. The time zone, DST changing time and city name can be changed if required. Defaults 24 cities are available. User can select which cities to be displayed.

Setup for world time clock

Connect to next clock
for cascade usage   GPS receiver I/P   Adaptor power I/P

To Next

GPS

DC I/P
9~15V

Power
Switch

Ethernet

NTP
Shut down

World Time Clock

AM

PM

Front view

36cm

On the wall, insert 2 nails
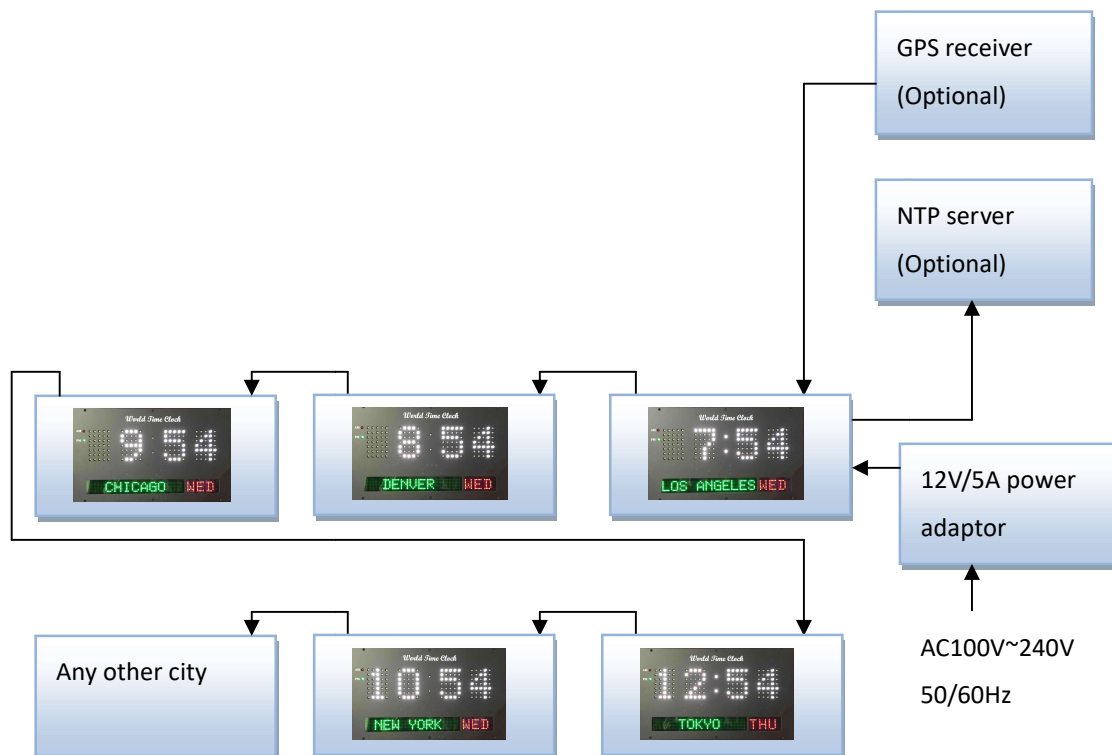with 36cm apart, then
hang on it.

Back view

Application of world time clock
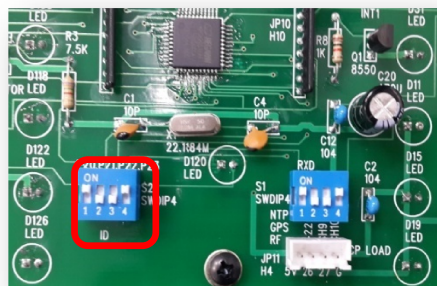
1. Stand alone usage

Shows local time → 3seconds later shows another city and so on. Maximum 24 cities.

2. Cascade operation

Every world time can shows different city time in turn. For example, you can let 1st clock to show European cities' time、2nd clock shows mid-east's cities、3rd shows cities in Asia、4th clock shows cites of other places.。Every clock can synced to the first one。

To change clocks' ID:

Clocks' ID are set already, If you want to change you can open the front panel and find the "Dip Switch" as the photo indicated. Pin1,2,3 indicates $2^0, 2^1, 2^2$ in binary. For example, the photo shows the clock's ID=1. ID can be assigned to 1~6.

24h format with zero filling:

Pin4 ON: no zero filled, e.g. "9:50"

Pin4 OFF: zero filled, e.g. "09:50"

Operational manual of remote keypad

Functions	description
1. To show ID (1~6) for each world time clock	
1. Press twice.	It can show the clock's ID.
2. To select cities to be displayed	
1. Select clock: . (assume the clock is #1) 2. Select City: or . 3. Enable (✓) Disable (✕): . 4. Confirm: .	To select another clock, you can press to . Do not select "Y","M","D", the function will elaborate as following.
3. To edit "time zone & DST", "city name", "date & time" of your local city	
1. Select Clock: . 2. Select City: press or . 3. Set time zone: press to "Time Zone" then press or to edit. 4. Set DST time: press to "DST Start", "DST End" then press or to edit. 5. Set city name: press to city name then press or to edit. 6. Set year, month and time: press to "Set Year", "Set Month", "Set Day", "Set Hour", "Set Minute", "Set Second then press	DST Start and DST End will show as the following order: "Month" ⟹ "Week of Month" ⟹ "Week." Fast skip：When enter "step 3", you can press to jump to "city name" setting group. To press again Jumping to "date & time" setting group.

☁ and ☁ to edit. 7. Confirm settings: press ⚪.	
4. To display local time & data only	
1. Select clock: 🟨 → ⚪SEL → ⚪City. 2. Select city: ☁ or ☁. 3. press ⚪✓X to Select "Y", "M", "D." 4. Confirm: ⚪OK.	Y: Display Y-M-D. M: Display M-D-Y. D: Display D-M-Y.
5. Display second	
1. Select clock: 🟨. 2. Display second: ⚪SEL → ⚪✓X.	Display Second for 1 minute, then return to the mode before.
6. Set cities display during time	
1. Select clock : 🟨. 2. Adjust during time: ⚪SEL → ⚪C.	Repeat "step 2" can adjust during time, the during time can be 1~10 second.
7. To display 12 / 24 format	
1. Set 12 / 24 format: press 🟨 → ⚪SEL → ⚪12/24.	Repeat these steps can switch back to the format before.
8. Brightness control	
1. Set brightness: press 🟨 → ⚪SEL → ⚪Brt. 2. Press ☁ or ☁ then ⚪OK to adjust.	Brightness level can be 1 to 8.

World time clock city listed(default)

	City	Time Zone	DST Start	DST End
1	UTC	0	-	-
2	London	0	Mar. last Sun	Oct. 1st Sun
3	Frankfurt	+1	Mar. last Sun	Oct. last Sun
4	Cairo	+2	-	-
5	Jordan	+2	Mar. last Fri	Oct. last Fri
6	Ankara	+2	Mar. last Sun	Nov. 1st Sun
7	Moscow	+3	-	-
8	New Delhi	+5	-	-
9	Dhaka	+6	-	-
10	Bangkok	+7	-	-
11	K. Lumpur	+8	-	-
12	Tokyo	+9	-	-
13	Darwin	+9	-	-
14	Sydney	+10	Oct. 1st Sun	Ari. 1st Sun
15	Anchorage	-9	Mar. 2nd Sun	Nov. 2nd Sun
16	Los angles	-8	Mar. 2nd Sun	Nov. 1st Sun
17	Denver	-7	Mar. 2nd Sun	Nov. 1st Sun
18	Chicago	-6	Mar. 2nd Sun	Nov. 1st Sun
19	New York	-5	Mar. 2nd Sun	Nov. 1st Sun
20	Honolulu	-10	-	-
21	Rio De J.	-3	Oct. 3rd Sun	Feb. last Sun
22	Buenos	-3	-	-
23	Mexico	-5	Apr. 1st Sun	Oct. last Sun
24	Lima	-5	-	-