

LIGHT/SET (A Key) \_\_\_\_\_



\_\_\_\_\_ (D Key) START/STOP

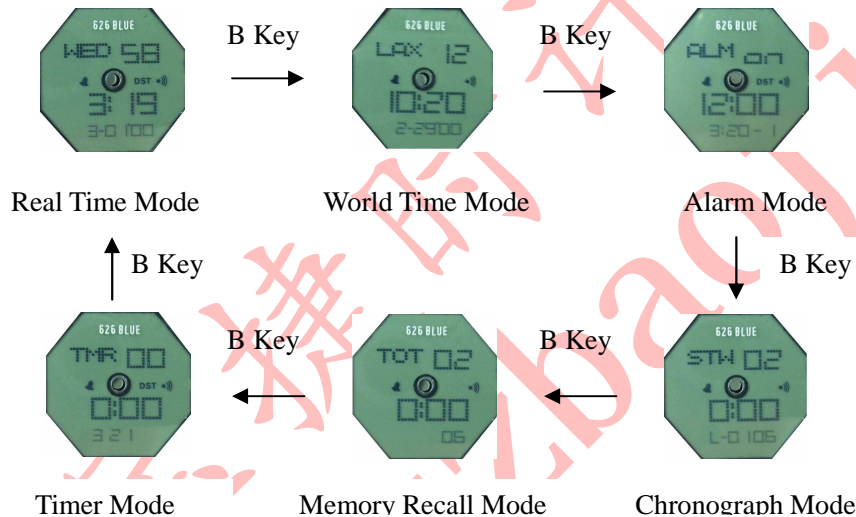
MODE (B Key) \_\_\_\_\_

\_\_\_\_\_ (C Key) RESET

## A . Features

- 15 Digits LCD Display, Display Hour ,Minute ,Second ,Month ,year(2000~2099),Day and Week
- Graphical animation of the day of week cycled by each 10 seconds.
- 24 time zones world time display with independent DST setting.
- 3 independent daily alarms and Chime hourly
- 12 / 24H format selectable, Auto Calendar
- chronograph with resolution up to 23 Hour,59minute, 59.99 seconds.(L-00~L-99)
- Count down timer with preset value up to 23 Hour,59 minute, 59 seconds.
- EL backlight

## B . Operational Manual



1. At any state ,press A key EL backlight for 3s .

### 2. Real Time

- Press C key to toggle the DST status of the local city, time will be updated and DST indicator will be on/off accordingly.
- Press D key to turn on / off Chime ,indicator " 📣 " displaying for On .
- Press A key for 2 seconds to enter into the time setting mode.
  - a).Entering into the setting mode, 12/24 Hour will be set and blinking.
  - b).Press B key to change to next setting item.
  - c).Press C key or D key to increase or decrease the setting value, if C key or D key has be pressed and hold for 2 sec, auto advance function will be activated.
  - d).Setting sequence will be cycled by 12/24Hour display format, Second ,Minute, Hour, Year, Month, Date, Local City.
  - e).Exiting the setting mode, the corresponding Day of week will be calculated. The foreign time in the World Time Display Mode will be changed accordingly.

### 3. World Time Mode

- Press C key to toggle the DST for the foreign city. Foreign display time will be updated and DST indicator will be on/off accordingly.
- Press D key to change to the next display city. If D key is pressed and hold for 2 sec, auto advance function will then be activated.

### 4. Daily Alarm

- Press C key to toggle on/off the displayed alarm time. "ON " or " " will then be updated accordingly.
- Press D key to change to the next alarm time display. There are total of three different alarm time.
- Press A key for 2 seconds to enter into the alarm time setting mode.
  - a). Entering into the alarm setting mode, alarm minute will be set and blinking.
  - b). Press B key to change to next setting item.
  - c). Setting sequence will be cycled by alarm minute, alarm hour.
  - c). Press C key or D key to increase or decrease the setting value, if C key or D key has be pressed and hold for 2 sec, auto advance function will be activated.

### 5. Chronograph

- Press D key to Start/Stop running ;
- Press D key to split the running time if chronograph is running. The corresponding lap time will be saved, Lap time will be freeze and the lap number will be blinking for 5 seconds. Running time will be resumed afterwards
- Press C key to stop the chronograph and the current lap time will be shown for 5 seconds, Total running time will be displayed afterwards.
- Press C key to reset the chronograph if it is not running . All the memories will be reset.
- If there is no key operation for 60 seconds and chronograph is not running , Real Time Display Mode will be retrieved.
- There are total of 20 laps memories, If the lap number exceeds 20, the last lap will be overwritten. .

### 6. Memory Recall Mode

- Entering into the Recall Mode, Total running time will be shown on the display.
- Press C key/D key to view the previous or next record.
- If there is no key operation for 60 seconds, Real Time Display Mode will be retrieved

### 7. Timer Mode

- Press D key to start/stop the timer running.
- Press C key to reload the preset value if timer is not running.
- If timer is not running , Press and hold A key for 2 seconds will enter into the Timer Setting Mode.
  - a). Entering into the setting mode, timer second will be set and blinking.
  - b). Press B key to cycle the setting sequence between the timers second, minute and hour.
  - c). Press C key or D key to increase or decrease the setting value. If C key or D key has be pressed and hold for 2 sec, auto advance function will be activated.
  - d). Press A key to exit the setting mode directly. Upon exiting the setting mode, the setting value will be saved as the preset timer value.
- Timer alarm will be output for 30 seconds if timer is counted down to zero. Press any key to stop the timer alarm.
- If there is no key operation for 60 seconds , the Setting Mode will be exit and returned to Timer Display Mode.

## C. Specifications

- Module Size :  $\Phi 33\text{mm}$
- Module Thickness :  $10.0 \pm 0.15 \text{ mm}$
- Operational Temperature Range :  $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Operational Voltage :  $3.0\text{V}$
- Accuracy :  $\pm 90\text{sec/month}$
- Battery Code : CR2016
- Current Consumption for Digit (maxima) :  $\leq 3.5 \mu\text{A} (\text{T}=25^{\circ}\text{C})$
- Current Consumption for Digit (averagely) :  $\leq 2.5 \mu\text{A} (\text{T}=25^{\circ}\text{C})$
- Alarm Current :  $\leq 2.5 \text{ mA}$
- EL Current :  $\leq 10 \text{ mA}$
- Battery life 3 backlight operation (9 seconds) per day : 18month (Japan Lithium)
- 30 seconds of alarm operation per day

City Code	City	Country	Time Difference
MDY	Midway	-----	-11:00
HNL	Honolulu	-----	-10:00
ANC	Anchorage	-----	-09:00
LAX	Los Angeles	-----	-08:00
DEN	Denver	-----	-07:00
CHI	Chicago	-----	-06:00
NYC	New York	-----	-05:00
CCS	Caracas	-----	-04:00
RIO	Rio De Janeiro	-----	-03:00
-2H	-2H	-----	-02:00
-1H	-1H	-----	-01:00
LON	London	-----	'00:00
PAR	Paris	-----	+01:00
CAI	Cairo	-----	+02:00
MOW	Moscow	-----	+03:00
DXB	Dubai	-----	+04:00
KHI	Karachi	-----	+05:00
DAC	Dacca	-----	+06:00
BKK	Bangkok	-----	+07:00
HKG	Hong Kong	-----	+08:00
TYO	Tokyo	-----	+09:00
SYD	Sydney	-----	+10:00
NOU	Noumea	-----	'+11:00
AKL	Auckland	-----	'+12:00

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