User manual of APE6900

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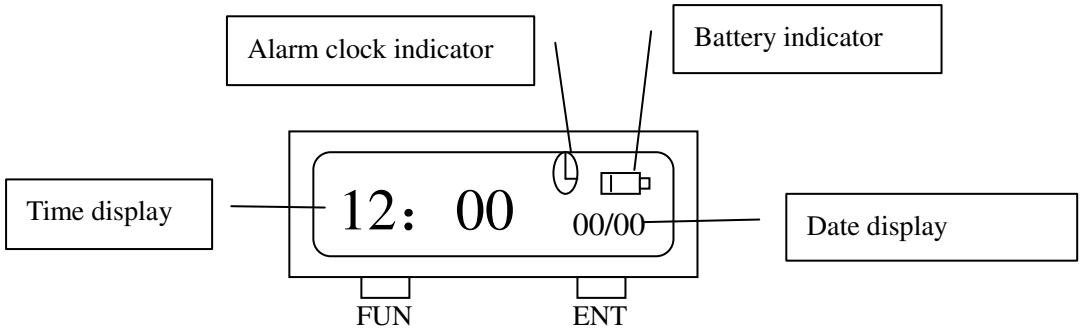
I. Product introduction

APE6900 is the fifth generation of the mobile receiver. It is also the first waterproof bracelet mobile receiver. The waterproof grade is IPX7. The receiver can be used with all SINGCALL call pagers. It also can be registered and download data through the serial port.

Main characteristics

1. It is waterproof, and the waterproof grade is IPX7. (It can be put into 3.3ft (1.0m) deep water, then it still can work for more than 30 minutes.)
2. It has calendar, clock and alarm clock function.
3. With fast delete function, it can delete one registered number or all registered numbers with only one key.
4. Downloading the registration information through the serial port, makes the registration easier.
5. It can charge in order to avoid the problem of frequent battery replacement, super standby time (about 5 days).
6. With encryption function, avoiding the information lost by mistake operation.

II. Screen display



III. Product parameter

- ◆ Key number: 2
- ◆ Key life: Million times
- ◆ Number of display: 10 scrolling numbers
- ◆ Screen: OLED monochrome screen
- ◆ Display type: a group of three-digit or five-digit number (with storage function)
- ◆ Battery: 3.7V lithium battery
- ◆ Battery capacity: 150mAh
- ◆ Prompt time: 1 to 15 seconds
- ◆ Receiving sensibility: -114dbm
- ◆ Frequency: 433.92MHz
- ◆ Pager capacity: 500
- ◆ Prompt mode: Vibration only
- ◆ Standby time: 5 days
- ◆ Number deleting mode: manually, automatically
- ◆ Calling number display: all positions can be set with English letter or digit(0-9, A-Z)

IV. Operation instruction

※ a. **Please charge the receiver before the first using.**

b. Then pressing the key ENT 5 seconds to enter into standby mode after full charging (clock display time). Please turn off the receiver before charging. When the charging indicator light becomes green color, you can use it.

c. Standby mode, OLED screen display will turn off automatically after 5 seconds. OLED screen display will light by pressing keys or the pagers calling.

d. When function F01, F04, F05, F07, F11 cannot be set, please refer to 10 “Password setting” to confirm whether the watch is encrypted (default set is not encrypted). After decryption, all functions can be set.

1. Power on/off

1) Power on: Power off mode, press and hold key [ENT] for 5 seconds, power is on.

2) Power off: Power on mode, press and hold key [ENT] for 5 seconds, power is off. The clock time does not to be zero.

2. Number register

1) Standby mode, press and hold key [FUN] until ‘F01’ shows on the screen.

2) Press and hold key [FUN] until the number ‘001’or ‘001-01’appears. There are two kinds of number format. (Refer to step 9 to change the format)

3) Press [ENT] to change the flashing number, press [FUN] to move the cursor (each position can set from 0-9 and A-Z).

4) After getting the number you want, press down the call pager, the receiver vibrates with the registered number flashing on the screen, the registration is finished.

5) To register more than one pager, please repeat the 3)-4) after the first one finished.

6) After registering all calling numbers, press and hold key [FUN] till ‘F01’ shows on the screen.

7) Press and hold [ENT] till back to standby mode. The register is done.

※ Special instructions:

It can register 500 numbers at most.

During the registration, if the number does not flash or watch does not vibrate that means the number is not registered successfully. You can judge the problems according to the digits behind the calling number:

1-Means this number is not registered, but this pager has been registered to another number.

2-Means this number has been registered by other pager before.

3-Means the pager and number are both registered successfully.

4-Means the number capacity has got the limitation of 500.

No digit means the receiver did not get the calling signal.

When choosing the registration number, pressing and holding key [ENT] can delete the current number. (If this number is registered before, the number is flashing that means deletion is successful. Otherwise, the number will not flash that mean this number is not registered before.)

3. Deleting the calling number

The calling number shows on the screen (The cycle interval time is two seconds, the maximum is ten numbers.)

1) Press and hold [FUN] to delete all called numbers to back to standby mode. This way can delete all called numbers with only one key.
2) Short press [ENT] to delete the current calling number. This way can delete the current calling number with only one key.

4. Vibration time setting

1) Standby mode, press and hold key [FUN] 3 seconds till ‘F01’ appears.
2) Press key [ENT] to choose ‘F02’.
3) Press and hold [FUN] till a number ‘01-15’ appears. Press key [ENT] to choose the number you want. (‘01-15’ means 1-15 seconds of vibration prompt time, one digit means one second.)
4) Press and hold [FUN] till ‘F02’ appears again.
5) Press and hold [ENT] till back to standby mode, vibration time setting is done.

5. Display time setting

1) Standby mode, press and hold key [FUN] 3 seconds till ‘F01’ appears.
2) Press key [ENT] repeatedly to choose ‘F03’.
3) Press and hold [FUN], till a number between 00 and 99 appears. Press [ENT] to change the flashing number, press [FUN] to change the cursor position. The number 01-99 means the time is 1-99 seconds, 00 means unlimited display (It can be delete manually).
4) Press and hold [FUN] till ‘F03’ appears.
5) Press and hold [ENT] till back to standby mode. The display time setting is done.

6. Deleting registered numbers

1) Standby mode, press and hold [FUN] 3 seconds till ‘F01’ appears.
2) Press [ENT] repeatedly to choose ‘F04’.
3) Press and hold [FUN] till the smallest registered number appears on the screen.
4) Press [FUN] repeatedly to choose the number to be deleted, then press and hold [ENT] to delete it. And the next registered number will appear on the screen after the deleting.
5) Press and hold [FUN] till ‘F04’ appears.
6) Press and hold [ENT] till back to standby mode. Deleting is done.

7. Initialization

1) Standby mode, press and hold [FUN] till ‘F01’ appears.
2) Press [ENT] repeatedly to choose ‘F05’.
3) Press and hold [FUN] till 000 appears, and press key [ENT] 3 seconds to start the initialization. The LED screen shows “---“. When ‘000’ appears again, the initialization is done.
4) Press and hold [FUN] till ‘F05’ appears.
5) Press and hold [ENT] till back to standby mode (time mode).The initialization is done.

8. Time setting

1) Standby mode, press and hold [FUN] 3 seconds till ‘F01’ appears.
2) Press [ENT] repeatedly to choose ‘F06’.
3) Press and hold [FUN] into the time mode, for example ‘08：10 16/05/25’ (hour, minute, year, month, day) appears.
4) Press [ENT] to set clock time and year, month, day and press [FUN] to choose hour, minute, year, month, day.
5) After time setting, press and hold [FUN] till ‘F06’ appears.
6) Press and hold [ENT] till back to standby mode. Time setting is done.

※ Time will return to zero if the battery runs out. It needs to reset after charging.

9. Number display mode setting

1) Standby mode, press and hold [FUN] till ‘F01’ appears.
2) Press [ENT] repeatedly to choose ‘F07’.
3) Press and hold [FUN] till ‘00’ or ‘01’ appears

‘00’ means the number display mode is XXX (the default number is ‘00’)
‘01’ means the number display mode is XXX-XX (This does not apply to the multi-button pagers.)
Press [ENT] to change the number between ‘00’ and ‘01’.
4) Press and hold [FUN] till ‘F07’ appears.
5) Press and hold [ENT] to back to standby mode. Display mode setting is done.

10. Password setting

1) Standby mode, press and hold [FUN] 3 seconds till ‘F01’ appears.
2) Press [ENT] repeatedly to choose ‘F08’.
3) Press and hold [FUN] till XXX appears on the screen.
4) Press [ENT] to change the flashing number, press [FUN] to change the cursor position (The password is 181. Only when the number is 181, all functions can be set.)

Notes: It is better to set the password after all functions have been set. (If the number is not 181, deleting the calling number function, function F02, F03, F06, F08, F09, F10 still can be set, but F01, F04, F05,F07,F11 can not be set.) It can avoid misoperation.

5) Press and hold [FUN] till ‘F08’ appears.
6) Press and hold [ENT] till back to standby mode. Password setting is done.

11. Alarm clock setting

1) Standby mode, press and hold [FUN] 3 seconds till ‘F01’ appears.
2) Press [ENT] repeatedly to choose ‘F09’.
3) Press and hold [FUN] till ‘1 XX:XX’ and ‘2 XX:XX’ appears on the screen(1 and 2 are the sequence numbers of the alarm. XX:XX is hour and minute).
4) Press [ENT] to set the sequence number of clock, hour and minute, press [FUN] to choose the position.
5) Press and hold [FUN] till ‘F09’ appears.
6) Press and hold [ENT] till back to standby mode. Alarm clock setting is done. Then please choose alarm clock ON or OFF.

12. Choose alarm clock ON or OFF

1) Standby mode, Press and hold [FUN] 3 seconds till ‘F01’ appears.
2) Press [ENT] repeatedly to choose ‘F10’.
3) Press and hold [FUN] till ‘1: OFF (ON)’ and ‘2: OFF (ON)’ appears on the screen. (1 and 2 are the sequence numbers of alarm, ON-turn on, OFF-turn off）
4) Press [ENT] to choose the alarm clock to ON or OFF, press [FUN] to choose the alarm clocks.
5) Press and hold [FUN] till ‘F10’ appears.
6) Press and hold [ENT] till back to standby mode. Alarm clock ON/OFF setting is done.

Notes: when the alarm clock is on,
a) Alarm prompt mode is vibration
b) Alarm prompt time is the same with the vibration time set in ‘F02’
c) Alarming in standby mode or calling mode (called number is displaying on the screen), alarm mark is flashing.

d) Press key [FUN] for one second to stop alarming.

13. Data downloading function

(F11)(Please refer to the manual of SINGCALL data download software)

V. Attention

1. When the product does not use for a long time, it is better to charge every two months to avoid damaging the battery. Charge the receiver before showing the low battery. It can prolong the life of battery. The product may shut down automatically when battery is low.
2. Please use our original parts, especially the original battery and charger.
3. Only on standby mode, all the functions can be back to working mode.
4. If you find any unusual problems, please consult our after-sale staff immediately. Do not dismantle the products by yourself to cause the unnecessary troubles.

VI. FAQ

1. Question: Press [FUN], [ENT] key, the watch doesn't display anything.
   Cause: The watch turns off. Or the battery runs out.
   Answer: Press and hold [ENT] key for 5 seconds, power is on. Or charge the watch. (Time will return to zero if the battery runs out. It needs to reset after charging). So please charge the watch when the battery indicator showed one bar of power left.
2. Question: The watch can not be charged.
   Cause: The charge port does not connect well.
   Answer: Please connect it again, until you can see the battery indicator flashing.
3. Question: Function F01, F04, F05, F07, F11 can not be set, but deleting the calling number function, function F02, F03, F06, F08, F09, F10 can be set.
   Cause: The watch is encrypted.
   Answer: Refer to operation step 10. "Password setting" to decrypt.

4. Question: Press down the call pager after registration, the watch doesn't work.
   Cause: The pager is registered unsuccessfully.
   Answer: Refer to operation step 2. "Number register". Or you can watch the registering video.
   Video web address: v.singcall.com
   Attention:
   During the registration, if the number does not flash or watch does not vibrate that means the number is not registered successfully. You can judge the problems according to the digits (including '1', '2', '3', '4') behind the calling number. '3' means the pager and number are both registered. Please refer to page "Special instructions".