



## User's Guide SR-2000 series



**RF**

AM/FM RF



**VOICE CALLING  
& HIGH QUALITY SPEAKER**



**RF  
RADIOTELEGRAPHE  
CALLING SYSTEM**



**RF  
PAGER  
CALLING SYSTEM**



**RF  
RS-232  
INTERFACE**



nttworks.com

## A. FUNCTION SETTING

### 1. Function of keys

FUN (FUNCTION): Key to start function

ESC (ESCAPE): Key to escape from function

ENT(ENTER) : Key to confirm function

DOWN( ▼ ) : Key to decrease the setting default / turn down the volume

MOVE(◀▶) : Key to change digit number

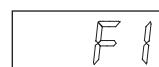
UP( ▲ ) : Key to increase the setting default / turn up the volume

### 2. Call-Number registration

1) Receiver is connected to a power by using the adapter in the product box.

2) ⓘ "Have a nice day" if the information voice occurs that means normal.

3) Press the "FUN" key for 5 seconds.



ⓘ "Please select function setting." "Call bell number setting."

Please "ENT" button when the information voice of call bell registration is done.



ⓘ "Please set a number"

According to information voice, set the numbers by using each buttons  
▼◀▶▲. After setting numbers, Press "ENT" button.



ⓘ "Press the bell"

According to information voice, press the call button which you are going to use as No.1



ⓘ "Registered"

When you hear the voice instruction which has been registered, then set the next number. After setting numbers, press "ENT" button again and Call bell to save all call buttons which you want to register.

\* How to set up English / other characters : If you press the "FUN" button when you set the numbers. It will be displayed to other characters.



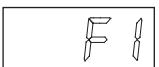
"FUN" press button



set any other desired number

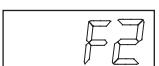
4) After saved, press "ESC" button once to move to next function setting.

### 3. Set the type of ringtone(melody)



ⓘ "Call bell number setting."

When there is information voice, press ▲ button.



ⓘ "Ring tone setting"

Press "ENT" button.



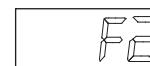
ⓘ "Press select a Ring tone" Ding~Dong

Press desired sound by using ▼▲.

#### Voice and Kind of melody

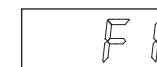
No.	DING DONG & MELODY	No.	VOICE CALL
1	Ding ~ Dong (1)	13	Customer Call ⓘ
2	Ding ~ Dong (2)	14	Guest Call ⓘ
3	Cuckoo Sound	15	Table Call ⓘ
4	Bird Sound	16	Employee Call ⓘ
5	Ding~Dong~Dang	17	Vehicle Call ⓘ
6	Melody 1	18	Help Call ⓘ
7	Melody 2	19	Please help me park ⓘ
8	Melody 3	20	Toilet Call ⓘ
9	Melody 4	21	Emergency Call ⓘ
10	Melody 5	22	Code blue ⓘ
11	Call ⓘ	23	Siren sound
12	Room Call ⓘ		

After set desired sound, Press "ENT" button.



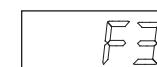
ⓘ "Set up complete" "Ring tone setting"

### 4. Display time setting (1 ~ 99 seconds)



ⓘ "Call bell number setting."

When there is information voice, press ▲ button twice.



ⓘ "Time setting"

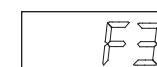
Press "ENT" button.



ⓘ "Please set a time"

Press desired time by using ▼◀▶▲ buttons.

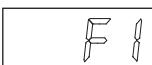
\* The beginning display setting time is 10 seconds.

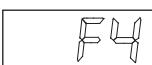


ⓘ "Set up completed" "Time setting"

Press "ENT" button after set desired time.

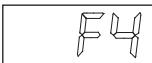
## 5. Sound frequency setting (Melody / Voice are represented as much as set frequency)

 **“Call bell number setting.”**  
When there is information voice, press **▲** button 3times.

 **“Ring tone repeat setting”**  
Press “ENT” button.

\* The initial display frequency is once. Total 9 times are possible.

 **“Please set number of repeat for ring tone”**  
Press desired sound frequency by using **▼ ▲ ▶ ▷** buttons.  
Set with “ENT” button.

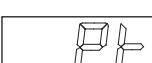
 **“Set up completed” “Ring tone repeat setting”**

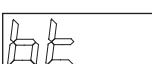
## B. How to set up extension function

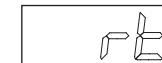
### 1. How to enter the extension function mode

 At the beginning screen, press “FUN” button for 5seconds.  
**“Please select function setting.” “Call bell number setting.”**  
When there is information voice, press “FUN” button again for 5seconds.

### 2. Test mode (The function to confirm for abnormalities of the hardware)

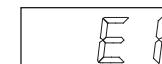
 **“Test mode”**  
Press “ENT” button  
  
 **“Melody~”**  
Melodies sound is stopped and the screen is flashed.  
Press “ENT” button in the receiver.  
Receiver FND auto check.  
When checking is completed, indicated as below.

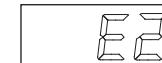
 **“(no sound)”**  
As a button test “bt”, press each button of receiver in order.

 **“RF test mode”**  
When transmission is confirmed by pressing transmitter, “Cuckoo Sound” is sounded and the test is completed. After then test is terminated by pressing “ESC” button.

### 3. Group number setting (1 ~ 69 group)

\* C2 – If you need a group setting  
\* in case of setting CAP CODE of PAGER and PAGER UNIT receiver.

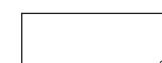
 **“Test mode”**  
Press **▲** button once.

 **“Group setting”**  
Press “ENT” button once.

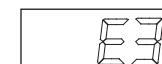
 **“Please set group number”**  
Set the group number by using **▼ ▲ ▶ ▷**.  
After set the group number, Press “ENT” button to complete setting.

 **“Set up completed” “Group setting”**

\* After all the settings, press “ESC” button and exit from the function mode.

 **“Close the function mode”**

### 4. System reset (Delete all data)

 **“System reset”**  
Press “ENT” button once.

 **“Be careful. All data will be deleted”**  
Press “ENT” button 5 seconds.  
If all data is deleted, screen is initialization and back to standby.

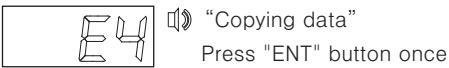
 **“Have a nice day”**

## 5. Copying data (All data is sent from receiver to receiver and copied)

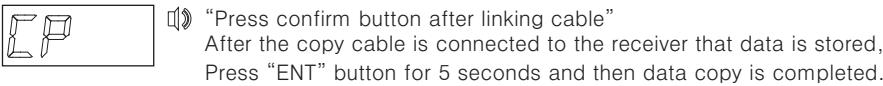
- \* A copy cable is needed to copy the data. (Purchased separately)
- \* Go into test mode from the receiver which will receive data copy.



Press **▲** button 3 times.



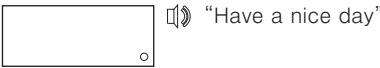
Press "ENT" button once.



After the copy cable is connected to the receiver that data is stored, Press "ENT" button for 5 seconds and then data copy is completed.

- \* If the cable is connected incorrectly, there will be a confirmation warning voice instruction.
- \* Cable connection voice instruction (Speaker icon) "Press confirm button after linking cable"

- \* When the data copy is completed, switched to standby mode with voice instruction as below.



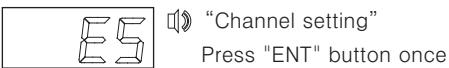
## 6. Channel setting (1 ~ 16 channel)

- \* What is channel?

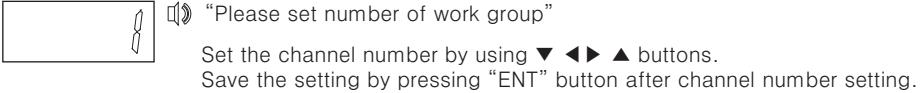
This is an identification number for interception/ Separation from the confusion with other user or surrounding user.



Press **▲** button 4 times.



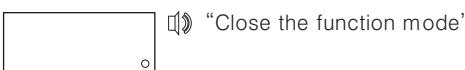
Press "ENT" button once.



Set the channel number by using **▼** **◀** **▶** **▲** buttons.  
Save the setting by pressing "ENT" button after channel number setting.



- \* After all the settings, press "ESC" button and exit from the function mode.

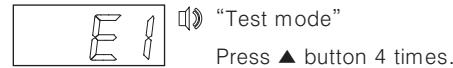


## C. PAGING SYSTEM CAP CODE SETTING

CAP CODE	E5		E2		Fixed No.	Fixed No.	Fixed No.
Digit number	1 digit	2 digit	3 digit	4 digit	5 digit	6 digit	7 digit
Range	0~1	0~9	0~6	0~9	2	0	0

### 1. Pager unit. channel setting ( E5 : 1~16 channel )

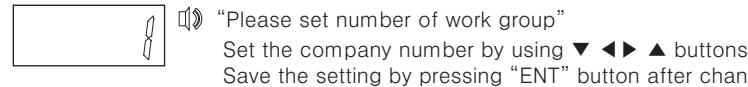
- \* Move from function setting mode to extention function mode.



Press **▲** button 4 times.



Press "ENT" button once.

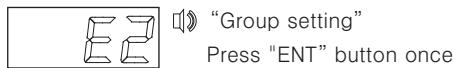


Set the company number by using **▼** **◀** **▶** **▲** buttons.  
Save the setting by pressing "ENT" button after channel number setting.

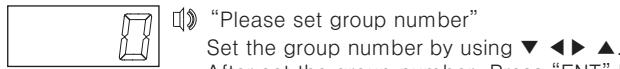


Press **▼** button 3 times.

### 2. Pager unit. grpup setting ( E2 : 1~69 group )



Press "ENT" button once.



Set the group number by using **▼** **◀** **▶** **▲**.  
After set the group number, Press "ENT" button to complete setting.



- \* After all the settings, press "ESC" button and exit from the function mode.

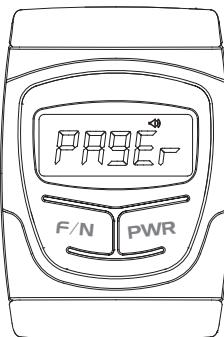


### 3. Pager Cap code setting

\* Button description :

**F/N** Entering function setting mode and number increment.

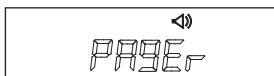
**PWR** Confirmation(ENTER) and move the cursor position in setting mode.



#### 3-1. Pager power

\* Use battery 1.5V/AAA

Pager will be turned on with sound "Bririric ~~bbiriric" and vibration after battery insertion.



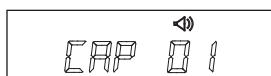
#### 3-2. Pager Cap code setting ( CAP 1 ~ CAP 8 )

\* Cap code setting is necessary to use pager unit and pager.

\* How to set up CAPCODE in the pager

1) Separate the battery from the pager and put it back.

2) When you put the battery, press and hold **F/N** button at the same time.



Press **PWR** button



Initial setting defaults are as follows:

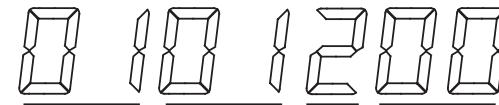
Look at the pager unit Capcode. Front 2 digits are Channel number, next to digits are group number and the fifth digit is attribution. Rest 2 digits are fixed defaults 00.

**F/N** : Number increase

**PWR** : Shift

**F/N** **PWR** : Completed setting by pressing more than 3 seconds.

EX) Cap code initial defaults

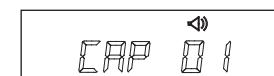


channel number group number attribution fixed number

EX) How to register Cap code

Channel number 10 / Group number 20

1. In the pager unit receiver, register the transmitter number to the receiver by function mode F1 call bell.
2. When the other function setting is completed, press "FUN" button to enter an expansion mode beside call bell registration.
3. Set as channel number 10 in the extension function mode F5
4. Set as group number 20 in the extension function mode F2
5. Pager Cap code setting



6. If you press as long as Pager sign is appeared, Cap code registration is completed in the pager



### 4. Pager registration as groups Cap code setting

- \* It is able to receive the signal that categorized the pager as group and the pager correspond to the group.

\* CAP CODE setting

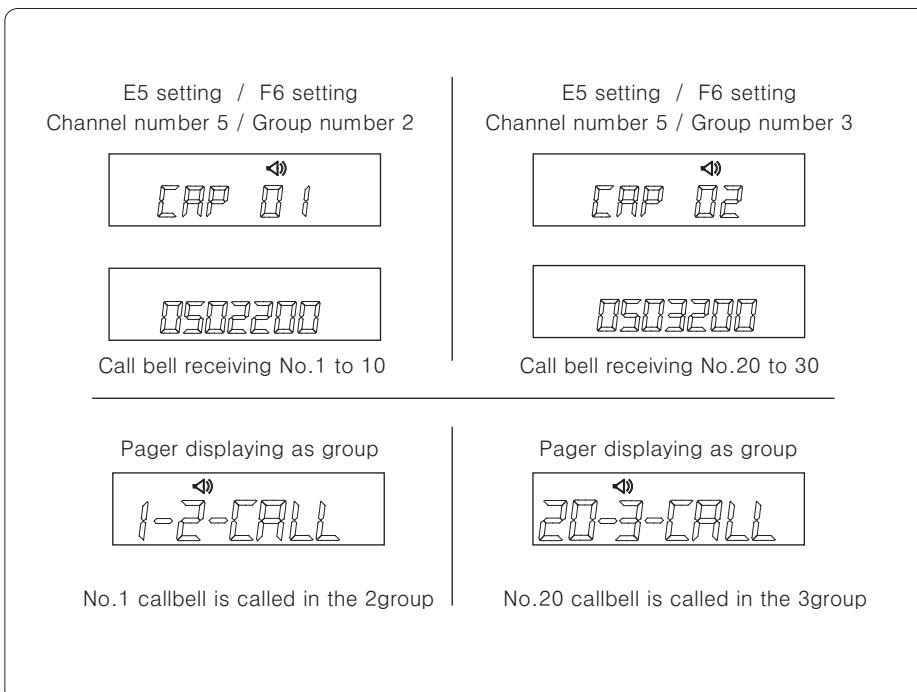
1. Pager unit > Set the channel number in the extended function(E5)  
Ex) number 5

2. Pager unit > Register call bell number as group in the general function(F6)

----> Ex) 2group No.3 sound, register callbell 1~10

----> Ex) 3group No.5 sound, register callbell 20~30

3. Pager > set Cap code in the pager.



#### FCC Compliance Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

#### FCC Compliance Information :

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

- (1) the device may not cause interference, and
- (2) the device must accept any interference, including interference that may cause undesired operation of this device.

#### FCC Rule Part 15.21:

The user manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.