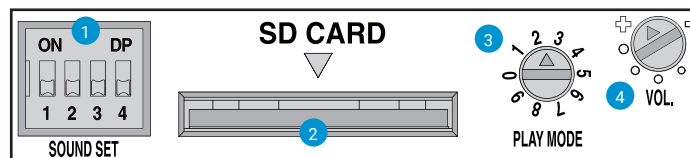


Multifunctional Type Feature

How to set up the multifunctional products(MP3)

- Multifunctional type products can play MP3 sounds by using an SD card and can also play WS (5 Warning sounds), WP (5 special warning sounds 1st Group), WM (5 Melodies), WA (5 Alarms), WO (5 special warning sounds 2nd Group), and WN (5 special warning sounds 3rd Group) when not using a SD card.
- Includes seven different functions. For example, it is able to playback the message continuously with the continuous playback function for warning message that needs to be repeated often.

FUNCTION SETTING

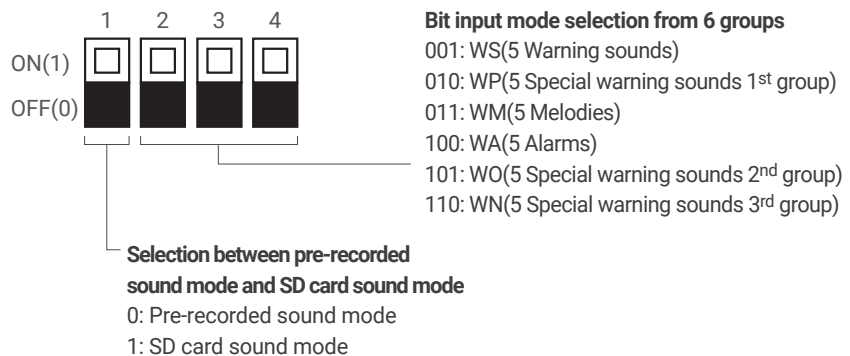


- 1 Sound setting switch
- 2 MP3 playable SD card
- 3 Play mode setting switch
- 4 Volume

1 Sound setting switch

- SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.

You can select between pre-recorded sound mode and SD card sound(MP3) mode with the SOUND selection switch



- 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- External MP3 sound support(SD card)
- Binary input: 30 channels
- Bit input: 5 channels(6 sound groups)
- A multi-functional product that can use an SD card for MP3 playback
- Details on how to setup the multi-functional speakerphone are on page 140

SD card(MP3) type product feature

2 SD cards

- The SD card is a compact flash memory card for storing MP3 files.
- After saving the MP3 files in the SD card with the specified format, insert the card into the SD card slot and switch the sound setting switch to ON so the sounds can be played from the SD card.

3 PLAY MODE setting switch

- PLAY MODE setting switch is used to choose the channel input method or select various playing modes. Refer to the table below for switch features.
- Switch #0 and #9 is not used.

1	Bit Input Mode	5 sounds can be played from the selected group (choose one group from six groups) Play sound only once (if using sequential signal input or pulse signal input)
2	Binary Input Mode	Up to 31 sounds available for each model. Plays sound only once (sequential signal input only)
3	Bit Input Hold Playback Mode	5 sounds can be played from the selected group (choose one group from six groups) The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly
4	Binary Input Hold Playback Mode	Up to 31 sounds available for each model The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly
5	Bit Input Sound Reduction Mode	5 sounds can be played from the selected group (choose one group from six groups) You can reduce the volume(15dB) by using a separate volume reduction signal line (same as volume reduction signal input)
6	Binary Input Sound Reduction Mode	Up to 31 sounds available for each model You can reduce the volume(15dB) by using a separate volume reduction signal line (same as volume reduction signal input)
7	Bit Input Sequence Memory Playback Mode	5 sounds can be played from the selected group (choose one group from six groups) If the sound is inputted in a order, it will remember the order and play each sound about 3 seconds. The last input channel is fully played (bit input mode only)
8	Test Mode	In test mode, Ch1 of group is automatically played back repeatedly. To end the test mode, switch back to the other modes.

4 VOLUME

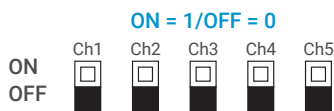
- You can adjust the speakers sound output by using the volume dial.

Multifunctional Type Feature

Sound patterns for multifunctional products

- Multifunctional product has 30 pre-recorded sound tones.
- 30 sound tones in binary input mode supported. Bit input mode has 5 sound tones within 1 group among 6 groups.

Bit input mode's sound tone combinations

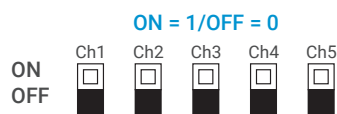


- Left channel switch allows to select 5 tons individually within designated group.
(For group selection, please refer to page 28 "How to set-up the multifunctional products")
- Channel switch will be substituted for external wiring in case of LC type products.

Sound	Ch	Sound Tone
WS 5 Warning Sounds	Ch1	Fire.A-ANG(560Hz-1.5kHz)
	Ch2	Emergency WA-U(Yelp)(600Hz-1.5kHz)
	Ch3	Ambulance PI-PO(Hi-Lo)(450Hz-900Hz)
	Ch4	Machinery Fault(820Hz)
	Ch5	High Expansion(1kHz)
WP 5 Special Warning Sounds (1st Group)	Ch1	Fire.A-ANG(560Hz-1.5kHz)
	Ch2	Abandon Alarm(820Hz)
	Ch3	Machinery Fault(820Hz)
	Ch4	High Expansion(1kHz)
	Ch5	7 Short PI. / 1 Long(1kHz)
WM 5 Melodies	Ch1	Sweet Home
	Ch2	For Elise
	Ch3	Cuckoo's Waltz
	Ch4	Piano Sonata
	Ch5	Turkish March

Sound	Ch	Sound Tone
WA 5 Alarms	Ch1	Beep Intermittent
	Ch2	Door Chime
	Ch3	Phone Ring
	Ch4	PI.PI.PI Short
	Ch5	Tripping Beat
WO 5 Special Warning Sounds (2nd Group)	Ch1	Rel rel rel(730Hz-920Hz)
	Ch2	Slow Ambulance PI-PO(820Hz-1.05kHz)
	Ch3	Wye yong Wye yong(770Hz-1.2kHz)
	Ch4	Phone ring 2(740Hz-910Hz)
	Ch5	Fire.A-ANG(770Hz-1.11kHz)
WN 5 Special Warning Sounds (3rd Group)	Ch1	Oit Oit(500Hz-1.11kHz)
	Ch2	Pi o Pi o(940Hz-2.19kHz)
	Ch3	Slow Di o Di o(680Hz-840Hz)
	Ch4	Li long Li ling(420Hz-470Hz)
	Ch5	911 Siren(150Hz-1kHz)

• Bit input mode's sound tone combinations



- Left channel switch allows the user to select from 30 available sound tones.
- Channel switch will be substituted for external wiring in case of LC type products.

No.	1	2	3	4	5	Sound tone	Frequency
0	0	0	0	0	0	No sound	
1	0	0	0	0	1	Fire.A-ANG	560Hz-1.5kHz
2	0	0	0	1	0	Emergency WA-U(Yelp)	600Hz-1.5kHz
3	0	0	0	1	1	Ambulance PI-PO(Hi-low)	450Hz-900Hz
4	0	0	1	0	0	Pi-ik Pi-ik	820Hz
5	0	0	1	0	1	Machinery Fault	820Hz
6	0	0	1	1	0	High Expansion	1kHz
7	0	0	1	1	1	Alarm	1kHz
8	0	1	0	0	0	Sweet Home	-
9	0	1	0	0	1	For Elise	-
10	0	1	0	1	0	Cuckoo's Waltz	-
11	0	1	0	1	1	Piano Sonata	-
12	0	1	1	0	0	Turkish March	-
13	0	1	1	0	1	Magic Flute	-
14	0	1	1	1	0	Badinerie	-
15	0	1	1	1	1	Pineapple Rag	-
16	1	0	0	0	0	Beep Intermittent	-
17	1	0	0	0	1	Door Chime	-
18	1	0	0	1	0	Phone Ring	-
19	1	0	0	1	1	PI.PI.PI Short	-
20	1	0	1	0	0	Tripping Beat	-
21	1	0	1	0	1	Rel rel rel	730Hz-920Hz
22	1	0	1	1	0	Slow Ambulance PI-PO	820Hz-1.05kHz
23	1	0	1	1	1	Wye yong Wye yong	770Hz-1.2kHz
24	1	1	0	0	0	Phone ring 2	740Hz-910Hz
25	1	1	0	0	1	Fire.A-ANG	770Hz-1.11kHz
26	1	1	0	1	0	Oit Oit	500Hz-1.11kHz
27	1	1	0	1	1	Pi o Pi o	940Hz-2.19kHz
28	1	1	1	0	0	Slow Di o Di o	680Hz-840Hz
29	1	1	1	0	1	Li long Li ling	420Hz-470Hz
30	1	1	1	1	0	911 Siren	150Hz-1kHz