SINT-13

WIRELESS VOICE SYNTHESIS RECEIVER WITH ACTIVATION

INSTALLATION AND USE MANUAL

This manual may be subject to change without notice

[SMD] [Serie 100] [48bit]

This device meets the R&TTE requirements (European Union)

Thank you for choosing our product.
We invite you to read carefully these directions before installing and using this device
in order to fully make the most of all its capacities.
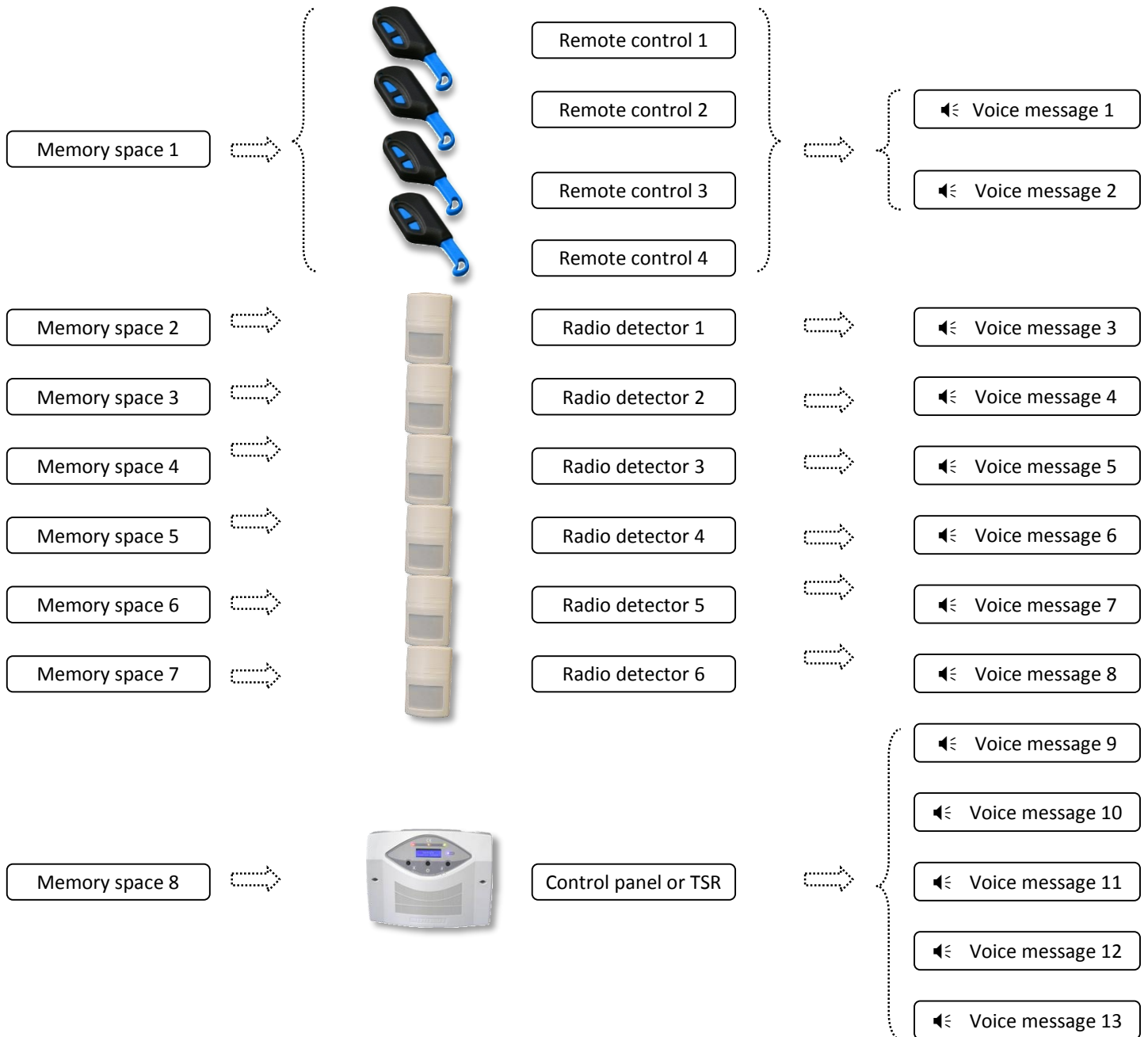
SOMMARIO

DESCRIPTION

SINT-13 is a voice synthesis that replay to 13 different radio codes with the same number of voice messages recorded by the user.
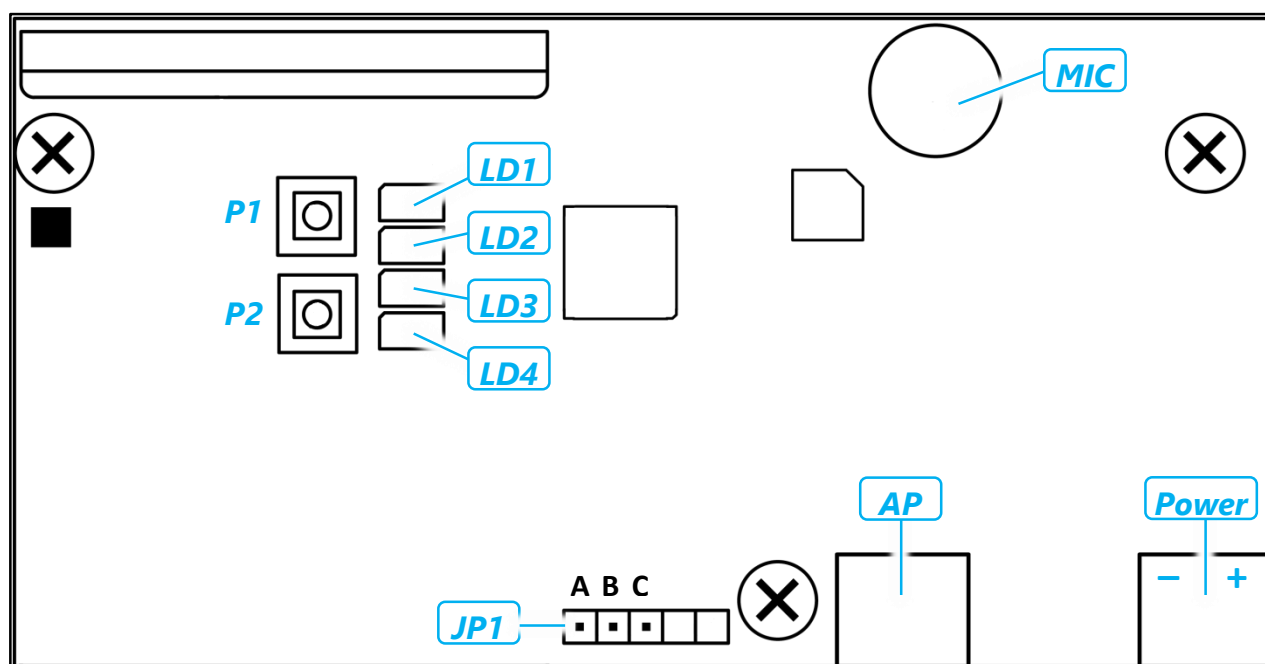
- **Two voice messages** are for arming and disarming codes from **remote controls** (TXS, TXS/M or DVTR-RT keyboard) (*max 4 remote controls/users*).
- **Six voice messages** are for **radio detectors**.
- **Five voice messages** are for the **status of one control panel** (*total arming, three partial armings, disarming*) or TSR.

Each voice message is combined to device type and radio codes as follow:

Memory space 1	⇒	Remote control 1		
		Remote control 2	⇒	🔊 Voice message 1
		Remote control 3		🔊 Voice message 2
		Remote control 4		
Memory space 2	⇒	Radio detector 1	⇒	🔊 Voice message 3
Memory space 3	⇒	Radio detector 2	⇒	🔊 Voice message 4
Memory space 4	⇒	Radio detector 3	⇒	🔊 Voice message 5
Memory space 5	⇒	Radio detector 4	⇒	🔊 Voice message 6
Memory space 6	⇒	Radio detector 5	⇒	🔊 Voice message 7
Memory space 7	⇒	Radio detector 6	⇒	🔊 Voice message 8
Memory space 8	⇒	Control panel or TSR	⇒	🔊 Voice message 9
				🔊 Voice message 10
				🔊 Voice message 11
				🔊 Voice message 12
				🔊 Voice message 13

NOTE: IT'S NOT POSSIBLE TO CHANGE MESSAGE ASSOCIATION TO RADIO CODES

TECHNICAL

Electronic board

Power supply	10 / 14 V ⎓
Consumption	Stand-By < 26 mA — Alarm < 120 mA
Radio channels	1 channel for remote controls (*2 voice messages combined*)
	6 channels for radio detectors (*6 voice messages combined*)
	1 channel for control panel or TSR (*5 voice messages combined*)
Radio frequency	433,92 MHz
Radio range	About 100 m (*open field*)
Message duration	15 seconds max for each message
JP1	Opened — Normal working
	Closed on A and B — Radio codes learning
	Closed on B and C — Voice messages management
LD1 (GREEN LED)	Solid on: "voice messages" mode (play / record) [*JP1* closed on **B** and **C**]
LD2 (YELLOW LED)	Off: normal working, SINT-13 in stand-by
	Solid on: • If *JP1* closed (on **A** and **B** or on **B** and **C**): SINT-13 in programming mode • If *JP1* opened: normal working, SINT-13 active
	Blinking: memory position counting (number of blinks)
LD3 (BLUE LED)	Solid on: voice messages recording or radio codes learning
	Blinking: playing voice message
LD4 (RED LED)	Solid on: "radio codes" mode (learning) [*JP1* closed on **A** and **B**]
AP	Speaker
Power	Power supply 12 V ⎓

RESET

It's recommended to proceed with this operation at the first use of the device, in order to erase radio codes during the factory tests.

WARNING
THIS OPERATION ERASE ALL RADIO CODES STORED

1. Power on the device holding down the **P2** button until all four LEDs blink
2. Release the **P2** button
3. Power off and wait some seconds
4. Power on again SINT-13: reset is done

RADIO CODES LEARNING

Enter in "radio code learning" mode

1. Close the jumper **JP1** on pins **A** and **B**.
   As soon as the pins are shorted:
   - **LD4** (**RED**) lights solid on
   - **LD2** blinks one time then stay solid on: this means SINT-13 is ready to learn the radio code in position 1 (*REMOTE CONTROLS*).
2. Now it is possible to learn the radio code:
   - Press the **P2** button, the **LD3** (**BLUE**) LED lights on.
   - From this moment SINT-13 is waiting for a radio code to learn. When a valid radio code is sent, **LD2** and **LD3** blink confirming the correct learning, then **LD3** switch off.
3. To move to next memory position (*next radio code*):
   - press briefly **P1**. As confirm **LD2** blinks as many times as the number of memory position then stay solid on.
     (*Example: 3 blinks = radio code in position n° 3 [DETECTOR]*).
   - Repeat the learning steps.

Proceed for all the codes in the same way.

> *To learn the remote controls and the control panel (or TSR) just store any radio code from them (eg.: only the disarming). The rest of the association code transmitted/voice message will be automatic.*
>
> *Example: to learn a TXS/M remote press the SMALL button (disarming): the BIG button of the TXS/M will be automatically recognized and combined to its proper voice message.*
> *Example: to learn a TSR transmit "TOTAL arming". "Partial 1 arming", "Disarming", etc. will be automatically added.*

Remote controls
It is possible to store up to four radio activators or keyboard users on memory position 1. These radio codes are memorized in four different internal sub-spaces (circular queue).

Learning remote controls/users > during the learning stay in memory position 1 to store all the remote controls/users: the first, the second, and so on.

Add a remote control/user > enter in learning position 1 and if one or more sub-spaces are free, SINT-13 automatically prepare to store in the first free position without overwrite/delete previous learned devices.

Change a remote control/user > to learn a remote control/user code with all the sub-spaces full (for example to substitute a lost or damaged remote control), enter in memory position 1 and proceed as normal learning: the first code will be overwritten.

CTSR/CTSR LIGHT detector
Each CTSR/CTSR LIGHT detector uses one memory position, without difference of which alarm element (on-board reed, secondary contact, roller and shock) give alarm.

Follows the factory settings for memory position and messages associated:

Memory position	Device	Message
1	Remote control / user 1	1. (*arming*) "External area activation"
	Remote control / user 2	
	Remote control / user 3	2. (*disarming*) "External area deactivation"
	Remote control / user 4	
2	Detector 1	3. "Sensor 1 detection"
3	Detector 2	4. "Sensor 2 detection"
4	Detector 3	5. "Sensor 3 detection"
5	Detector 4	6. "Sensor 4 detection"
6	Detector 5	7. "Sensor 5 detection"
7	Detector 6	8. "Sensor 6 detection"
8	Control panel or TSR	9. "System TOTAL armed"
		10. "System disarmed"
		11. "System Partial 1 / Partial armed"
		12. "System Partial 2 / External armed"
		13. "System Partial 3 armed"

Exit from "radio codes learning": open the jumper **JP2**.

VOICE MESSAGES RECORDING

Before use SINT-13 it is possible to customize the voice messages (*from 1 to 13*) used.
Open the cover to access to electronic board: there are 2 buttons, 4 LEDs (*green, yellow, blue and red*) and one jumper which are used to program the functions.

Enter in "Messages recording" mode

1. Close the jumper **JP1** on pins **B** and **C**.
   As soon as the pins are closed:
   - **LD1** (**GREEN**) lights solid on
   - **LD2** blinks one time then stay solid on: SINT-13 is ready to record the Voice Message 1.
2. Now it is possible to record the voice message:
   - Hold down the **P2** button until the **LD2** (**BLUE**) LED lights on.
   - Release **P2** and talk about at 10 cm from microphone (**MIC**).
   - To stop the recording before the max 15 seconds available, press briefly **P2**.
3. To move to next message position:
   - Press briefly **P1**. As confirm the **LD2** LED blinks as many times as the number of the Voice Message, then stay solid on
     (*Example: 3 blinks = message n° 3*).
4. To play the voice message in a certain position: press briefly the **P2** (**LD3** *BLUE it blinks during the play*) button.

Proceed for all the messages in the same way.

Exit from "Messages recording" mode: open the jumper **JP2**.

WORKING

SINT-13 plays the voice message combined to the device which transmitted its radio code.
Each time a radio code is received the **LD3** blue LED blinks.

Radio activator (buttons)			Function
TXS	*TXS-M*	*DVTR-RT**	
Red	Big	⬔	Activates SINT-13 and play the Voice Message 1. *The **LD2** yellow LED switches on* *While active, the SINT-13 play the voice message combined to the detector radio code received.*
Green	Small	⬠	Deactivates SINT-13 and play the Voice Message 2. *The **LD2** yellow LED switches off* *While deactivated, the SINT-13 does not play any voice message.*

* To use the DVTR-RT keyboard it is mandatory to disable its SUPERVISION

VOLUME ADJUSTMENT

When in normal working (**JP1** opened), it is possible to adjust the volume just pressing the **P1** and **P2** buttons as many times as the increase/decrease desired (8 steps):
- **P1** decrease the volume: **LD1** switch on showing volume decreasing
- **P2** increase the volume: **LD4** switch on showing volume decreasing

After each volume change is played the Voice Message 1 as test.