

# Decode 5 Toni

To be able to receive a selective **5 Tone** enable in the channel:

Optional Signal

In section **5 Tone** setting follow the next settings

←←←← Here we set our SelfID

←←←← it is not important because the standard Enoder ID in use in the channel will be used

←← Here we decide if upon receiving the sequence, the radio will have to sound a beep, and if it will have to respond by sending its own selective **Self ID (2861)**

←←←←← The seven 5TONE Dec Units boxes indicate which digits of the selective Self ID must be recognized , for example by ticking only the first two boxes on the left , any selection starting with 28 will be recognized , therefore sending a sequence like **28123D12345** or **28678D12345** we will always read: **PRIVATE CALL 12345**

## Private Call :

By sending a selective to the SelfID **28061D12345** the radio displays **PRIVATE CALL 12345**  
(**D** is a separation tone, but it also accepts any tone from **0123456789ABCD**)

## Group Call :

It is possible to send a Group call by replacing some numbers of the Self ID with the **A** so example: sending the sequence **28AAD12345** , or **AA061D12345** the radio display **Group Call 12345**

NB: if BeepTone is set in the SelfID, it will also sound in this condition

## User Id :

(if the Disp AnyID flag is enabled  Disp AnyID )

By sending any sequence of tones, for example 12345 the radio will display **User Id:12345**

If the flag is disabled instead  Disp AnyID , will only recognize special sequences starting with E6 , then sending a sequence **E612345** a radio will display **User Id:12345**

NB: it is possible to send up to 16 tones, but the display can show a maximum of 14 ,

**E repeat tone**

**F stop tone #**

If in Analog Adresse Book we have associated a name to the sequence **12345**, for example the name **TEST** , will be displayed

**PRIVATE CALL**  
**TEST**

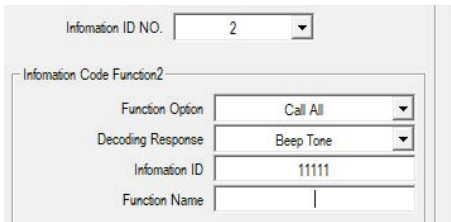
**GROUP CALL**  
**TEST**

**User Id**  
**TEST**

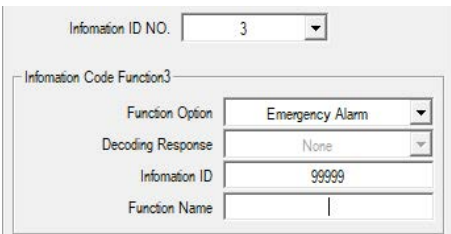
No.	Number	Name
1	12345	TEST

[Information ID NO.]

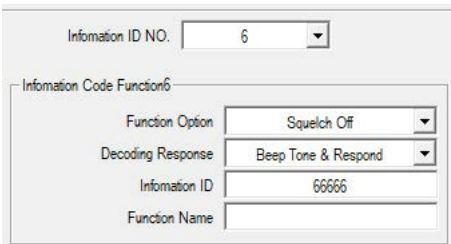
In this section we can set up to a maximum of 16 different sequence which, once recognized, will have one of the following results: (the selected numbers are only examples)



**Call All;** By sending the sequence 11111 the radio displays Call All and it is also possible to sound a Beep

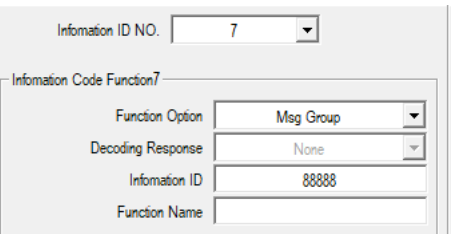
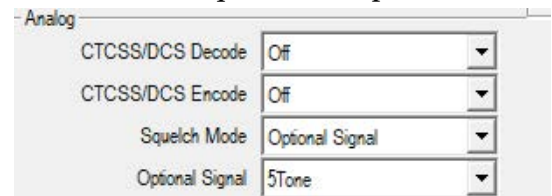


**Emergency Alarm;** By sending the sequence 99999 the radio emits an Alarm sound and displays Alarm



**Squelch Off ;** By sending the sequence 66666 the radio squelch will open if the **Squelch Mode** has been set as **Optional Signal** in the channel

moreover you can make a beep and answer with your Self ID

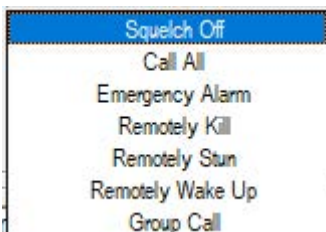


**Msg Group;** By sending the sequence 88888 the radio displays

Msg Group

88888

NB: if BeepTone is set in the SelfID, it will also sound in this condition



In addition to these functions it is possible to associate a sequence to remotely turn off the radio (Remotely Kill), to turn it back on (Remotely Wake Up) or block it (Remotely Stun) but be careful when using these commands

# Encode sequence 5 Toni

Pause before the sequence is sent

Annotations for the 'Encode' window:

- ↑ Time before audio opens after receiving the correct 5 Tones (points to PTT ID Pause Time[s])
- ↑ the radio will send other PTT IDs only after this time (points to PTT ID Pause Time[s])
- ↑ this time is added to the length of the first tone (points to First Tone Length[ms])
- ← this letter will be used to generate a pause between tones (points to Stop Code)
- ← Pause duration (points to Stop Time Length[ms])
- ← allows you to listen to the transmitted sequences in the loudspeaker (points to Side Tone checkbox)
- ↑ this time is added to the length of the first tone after the pause (points to First Tone Length After Stop[ms])

It is possible to define up to 100 selective 5-tone sequences by specifying the type of Standard and giving a name to each sequence

Encode/Decode Standard

NO.	&Special Call	Encode ID	Encode/Decode Standard	Time Of Encode Tone[ms]	Name
1		F	ZVEI2	70	off ←
2		21414	ZVEI2	70	REGA
3		21301	ZVEI2	70	RTest
4		30531	EEA	40	Annunci
5		30532	EEA	40	Confirm

I recommend adding an F in Encode ID with Name **off**, this just indicates a pause. This will come in handy, because by selecting the sequence **off** we will deactivate the BOT or the EOT which at the moment can only be enabled/disabled via the CP editor

Both windows show: Encode ID: 28601, Standard: ZVEI2, Duration: 70, and a highlighted 'Special Call' button.

It is also possible to specify two sequences to be sent as soon as the PTT is pressed (BOT) or when the PTT is released (EOT)

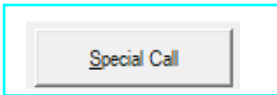
In the channel set Optional Signal 5Tone, and in 5Tone ID choose a number between 1 and 100 of the memorized sequences this sequence can be sent by assigning the Call function to a key, or by pressing PTT+PF2 on the 878, or PTT+UP on the microphone of the 578. **The selected ID standard will also be used for the Decoder so we can use different Encoders/Decoders for each channel**

Highlighted fields in the 'Analog' window:

- 5Tone ID: 5
- PTT ID: End
- R5toneBot: 1
- R5toneEot: 10

In **PTT ID** it is possible to decide whether to send a sequence when pressing the PTT, when releasing or both

in **R5Tone Bot** and **Eot** you can choose which **PTT ID** BOT or EOT sequence will be sent among the **100** available or by selecting **customize** you will use those set in the two specific windows in the 5ToneEncode section



The special Call key allows us to generate two types of sequences

&Special Call

Choose Encoding Group NO.

Choose Calling Type

Ok Cancel

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Send Message

The Other Side ID  Message

Send Message

Enter the ID of the recipient plus the message to be sent, pressing OK a selective will be generated, E1+ID+E+text message in hex  
 Example: E167890E54455354  
 The receiving radio will display Message TEST

99	Send Message	67890 Information:TEST	ZVEI1	70	
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&Special Call

Choose Encoding Group NO.

Choose Calling Type

Ok Cancel

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ANI

The Other Side ID  Interval Character

ANI

Enter the recipient's ID plus the separator character D to generate a private call

Id to call

separator character

98	ANI	12345D	ZVEI1	70	
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&Special Call

Choose Encoding Group NO.

Choose Calling Type

Ok Cancel

PTT ID

Generate a sequence made up of E6+Self Id  
 E628061 then when transmitted, the receiving radio will display:  
**User Id**  
**28061**

The Analog Address Book list can also be used to send private calls  
 On the radio, select the Book→Book List→ select a contact and press PTT  
 example: recalling the TEST memory in Book and pressing the PTT we will send the sequence 28061D12345 (SelfID + TEST) which following the example above in the Decode settings, will cause the receiving radio to play and display **Private Call 12345** (or TEST)

578UV		
No.	Number	Name
1		
2	12345	TEST
3	30531	Annuncio
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

!!!!!!Unfortunately at the moment it is not possible to enter letters to be able to call a Group !!!!!