Complete List of Programming Codes for ETP–520

Programming Code	Then Enter	Memory Slot	Function Description
Dial String Configuration			
0-20 digits, <null>	+	#00	Primary autodial phone number for Button #1, <null> to clear
0-20 digits, <null>	+	#01	Secondary autodial phone number for Button #1, <null> to clear
0-20 digits, <null>	+	#02	Third autodial phone number for Button #1, <null> to clear
0-20 digits, <null>	+	#03	Fourth autodial phone number for Button #1, <null> to clear
0-20 digits, <null>	+	#04	Fifth autodial phone number for Button #1, <null> to clear
0-20 digits, <null>	+	#05	Primary autodial phone number for Button #2, <null> to clear
0-20 digits, <null>	+	#06	Secondary autodial phone number for Button #2, <null> to clear
0-20 digits, <null>	+	#07	Third autodial phone number for Button #2, <null> to clear
0-20 digits, <null>	+	#08	Fourth autodial phone number for Button #2, <null> to clear
0-20 digits, <null>	+	#09	Fifth autodial phone number for Button #2, <null> to clear
0-20 digits, <null>	+	#10	Primary autodial phone number for Aux Input, <null> to clear
0-20 digits, <null>	+	#11	Secondary autodial phone number for Aux Input, <null> to clear
0-20 digits, <null>	+	#12	Third autodial phone number for Aux Input, <null> to clear
0-20 digits, <null>	+	#13	Fourth autodial phone number for Aux Input, <null> to clear
0-20 digits, <null>	+	#14	Fifth autodial phone number for Aux Input, <null> to clear
0-20 digits, <null>	+	#15	Primary autodial phone number for handset/hook-switch, <null> to clear
0-20 digits, <null>	+	#16	Secondary autodial phone number for handset/hook-switch, <null> to clear
0-20 digits, <null>	+	#17	Third autodial phone number for handset/hook-switch, <null> to clear
0-20 digits, <null>	+	#18	Fourth autodial phone number for handset/hook-switch, <null> to clear

0-20 digits, <null>	+	#19	Fifth autodial phone number for handset/hook-switch, <null> to clear
0-20 digits, <null>	+	#20	Speed Dial Key 0 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#21	Speed Dial Key 1 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#22	Speed Dial Key 2 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#23	Speed Dial Key 3 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#24	Speed Dial Key 4 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#25	Speed Dial Key 5 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#26	Speed Dial Key 6 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#27	Speed Dial Key 7 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#28	Speed Dial Key 8 (on models with Keypad), <null> to clear
0-20 digits, <null>	+	#29	Speed Dial Key 9 (on models with Keypad), <null> to clear
**			Enter a * anywhere in a dial string
*#			Enter a # anywhere in a dial string
*7			Enter a 1 second pause in a dial string
*8			Enter a 4 second pause in a dial string
		#7	Exit programming and hang up

Timing/Dialing Options

4	+	0-6 digits*	**Guard access code entry** Use this to access basic programming (default=null) By default this means that **4** will enter guard access mode for programming
0 or 00, 1-99	+	#50	**Call Timer/Call Length** <null> = disabled, 0 or 00 = 30 sececonds, x or xx in minutes, where x is 1-9
1 or 2	+	#51	**Dialing Speed** 1 = 51msec, 2 = 102 msec on/off for DTMF tones
0-9	+	#52	**Dial next number on ring no answer** 0,1 = disabled 2-9 = number of rings (Default 5 rings)
0-9	+	#53	**Dial next number on busy** 1 = disabled, 2 = enabled (default)
<null>, 0-9	+	#54	**Delay before Dialing** <null>=upon dial tone, 1-9=number of seconds, 0 = 10 seconds (default = 2 seconds)

0-9	+	#55	**Lap Counter** How many times through the dialing list, 0 = disabled 1-9 = number of times through the dial list. (Default = disabled ring until answered)
<null>, 0-2 digits	+	#56	**Silence Time Out** <null>,0, or 00 = disabled, 3-99 seconds
1-9	+	#57	**Talk/Listen Delay** (VOX switching time) 1-9 = 0.1-0.9 seconds (Default 0.2 seconds)
1 or 2	+	#58	**Hook Flash** hang-up time for busy/no answer 1 = 0.5 seconds 2 = 2.25 seconds (Default = 0.5 seconds
1 or 2	+	#59	**Answer Detection Sensitivity** 1 = normal, 2 = reduced (default = 1)

Operation Configuration

4	+	0-8 digits*	**Guard access code entry** Use this to access basic programming (default=null) By default this means that ***4**** will enter guard access mode for programming
3	+	0-8 digits*	Master access code entry Use this to change the Guard access code or factory reset the device (default=12345678) By default this means that ***3*12345678*** will enter Master access mode for programming
<null>, 6 digits	+	#60	**Talk-A-Lert Phone ID Number** <null> = disable sending ID (default = 000000)
8 digits	+	#61	**Master Access Code** Changes the Master Access Code (default = 12345678) No * or # By default this means that ***3*12345678*** will enter Master access mode for programming
<null> 1-8 digits	+	#62	**Guard Access Code** Changes the Guard Access Code (default = <null>) No * or # By default this means that ***4**** will enter Guard access mode for programming
1-3 digits	+	#65	**Paging Mode Activation** changes activation code for paging 0-3 digits no * or # (default = ***88***) Example 123#65 would set the new Paging Mode Activation code to ***123***
1-3	+	#66	**Paging Mode Output Selection** 1 = Line level output, 2 = speaker, 3 = both (default = 1)
1 or 2	+	#67	**Guard Access code required for relay activation** 1 = yes, 2 = no (default = 1)

99	+	#99	Factory Reset the phone, Must use Master Access Code first
Interface Configuration			
1,1,1,2 (W,X,Y,Z)	+	#70	**Inbound Call Mode:** **W** 1 = 2 way communication, 2= Monitor(listen) Mode **X** 1 = No "Monitor Mode Message" is played, 2 = "Monitor Mode Message" played (message number 4) **Y** 1 = Paging Mode Blocked, 2 = Paging Mode Allowed **Z** 1 = No Phone ID 2= send Phone ID (default = 1,1,1,2)
1,1,1,1 (W,X,Y,Z)	+	#71	**Button 1 Call Mode:** **W** 1 = Two-Way communication, 2 =Silent until Answewred, 3 = Monitor Mode **X** 1 = No hang-up, 2 = Button will Hang-up **Y** 1 = Use call progress to turn on Answered LED, 2 = require * to turn on **Z** 1 = No Phone ID, 2 = Send Phone ID (default = 1,1,1,1)
1,1,1,1 (W,X,Y,Z)	+	#72	**Button 2 Call Mode:** **W** 1 = Two-Way communication, 2 =Silent until Answewred, 3 = Monitor Mode **X** 1 = No hang-up, 2 = Button will Hang-up **Y** 1 = Use call progress to turn on Answered LED, 2 = require * to turn on **Z** 1 = No Phone ID, 2 = Send Phone ID (default = 1,1,1,1)
1,1,1,1 (W,X,Y,Z)	+	#73	**Aux Input Call Mode:** **W** 1 = Two-Way communication, 2 =Silent until Answewred, 3 = Monitor Mode **X** 1 = No hang-up, 2 = Input will Hang-up **Y** 1 = Use call progress to turn on Answered LED, 2 = require * to turn on **Z** 1 = No Phone ID, 2 = Send Phone ID (default = 1,1,1,1)

1,1,1,1 (W,X,Y,Z)	+	#74	**Hook-Switch Call Mode:** **W** 1 = Handset button is a volume control, 2 =handset button is Push To Talk **X** 1 = No hang-up, 2 = Hook-Switch will Hang-up **Y** 1 = Use call progress to turn on Answered LED, 2 = require * to turn on **Z** 1 = No Phone ID, 2 = Send Phone ID (default = 1,1,1,1)
1,1,1,1,1,1 (U,VW,X,Y,Z)	+	#75	**Relay 1 Control:** **U** 1 = Disabled on Inbound call, 2 = Enabled for duration of Inbound call **V** 1=Disabled for Call from **Button 1**, 2 = Enabled for call from **Button 1** **W** 1=Disabled for Call from **Button 2**, 2 = Enabled for call from **Button 2** **X** 1=Disabled for Call from **Aux Input**, 2 = Enabled for call from **AUX Input** **Y** 1=Disabled for Call from **Hook-Switch**, 2 = Enabled for call from **Hook-Switch** **Z** 1=Disabled for Call from **Paging** 2 = Enabled for call from **Paging**
1,1,1,1,1,1 (U,VW,X,Y,Z)	+	#76	**Relay 2 Control:** **U** 1 = Disabled on Inbound call, 2 = Enabled for duration of Inbound call **V** 1=Disabled for Call from **Button 1**, 2 = Enabled for call from **Button 1** **W** 1=Disabled for Call from **Button 2**, 2 = Enabled for call from **Button 2** **X** 1=Disabled for Call from **Aux Input**, 2 = Enabled for call from **AUX Input** **Y** 1=Disabled for Call from **Hook-Switch**, 2 = Enabled for call from **Hook-Switch** **Z** 1=Disabled for Call from **Paging** 2 = Enabled for call from **Paging**

Audio Configuration

0-9	+	#80	**Initial Mic Gain** 0 = off, 1-9 is level (default = 5)
0-9	+	#81	**Initial Speaker Volume** 0 = off, 1-9 is level (default = 5)
0-9	+	#82	**Initial Speaker Volume During Paging** 0 = off, 1-9 is level (default = 8)
0-9	+	#83	**Initial Auxiliary Output Gain** 0 = off, 1-9 is level (default = 5)
1,2	+	#84	**Audio Detect Sensitivity** 1 = Normal, 2 = increased (default = 1)
1,2	+	#85	Line Out Mode 1 = Page Mode, requires *88*, 2 = Telecoil mode, line output always on except during Monitor Mode (default = 1)
<null>	+	#86	**Firmware Version Request** Firmware version as series of beeps

Voice Messages

			Note: Message 1 = Button 1 max 16 second Message 2 = Button 2 max 10 seconds Message 3 = Aux Input max 10 seconds Message 4 = Monitor Mode max 9 seconds
*3	+	1-4	**Erases message** in the selected message slot as outlined above
*4	+	1-4	**Record message** in the selected message slot as outlined above, starts at tone, end with **#**
*5	+	1-4	**Playback message** in the selected message slot as outlined above
*6	+	0-9	**Enable/Disable Message Playback:** 0 = Disable all messages 1 = Enable message 1 (enabled when a message is recorded) 2 = Enable message 2 (enabled when a message is recorded) 3 = Enable message 3 (enabled when a message is recorded) 4 = Enable message 4 (enabled when a message is recorded) 5 = Enable all messages 6 = Disable message 1 7 = Disable message 2 8 = Disable message 3 9 = Disable message 4

		*9(0-9)	**Message Play Count** 0 = continuous until *, 1-9 = loop count

Touch Tone Commands Available Outside of Programming

		6	**Activate relay 1** for 2 seconds
		7	**Activate relay 2** for 2 seconds
		25	**Turn On Relay 1** for this call (if enabled see #67)
		26	**Turn Off Relay 1** for this call (if enabled see #67)
		27	**Turn On Relay 2** for this call (if enabled see #67)
		28	**Turn Off Relay 2** for this call (if enabled see #67)
7			**Switch to volume Adjustment** then enter the following to adjust for this call (see #80-#85 for permanent changes) **1 Mic Gain Down** **2 Mic Gain Up** **3 Speaker Volume Down** **4 Speaker Volume Up**
5			Turn on two-way communication, turn off paging, exits Monitor Mode
6			Turn on Monitor Mode, turn of Paging
9			**Get Phone ID**
88			**Activate Paging Mode** (see #65)
#			**Hang up**
*			Stop Message layback