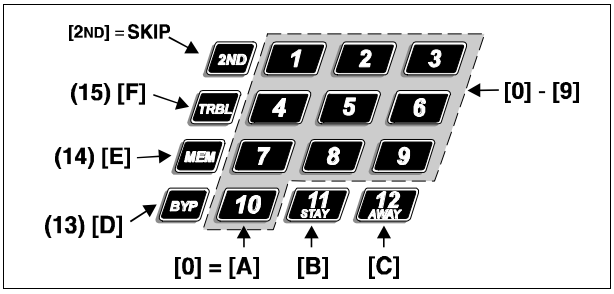
ESPRIT 747
PROGRAMMING REFERENCE

USER FRIENDLY

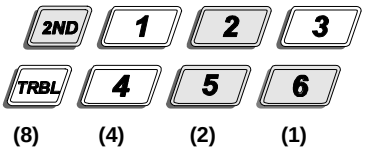
SOFTWARE VERSION 1.3 **IMPORTANT** See last page for changes from VERSION 1.2

To enter programming, press [ENTER] + installer code *(Installer default code **747474**)*

ADDRESSES: addresses "000" to "255" (key **[10]** = **0**)



HEXA VALUE DISPLAY



Value of 2ND digit = **10** (**8** + **2** = **10**)
Value of 1ST digit = **3** (**2** + **1** = **3**)
VALUE = "**30**"

No display = **SKIP** (empty)
10 = **[0]** = **[A]**

INSTALLER CODE LOCK (**[2ND][2ND]** = Installer code locked, **[1][1]** - **[F][F]** = Installer code unlocked) *(default code **[F][F]**)*

000: __/__

PANEL IDENTIFIER FOR UPLOAD/DOWNLOAD 00 - **[F][F]** (**[10]** = **0**) *(default code (empty) -"**SKIP**")*

001: __/__ **002:** __/__

PC UPLOAD/DOWNLOAD PASSWORD 00 - **[F][F]** (**[10]** = **0**) *(default code (empty) -"**SKIP**")*

003: __/__ **004:** __/__

ACCESS CODES:

INSTALLER'S CODE: *Full access to programming,(all addresses except 008-070).* *(default / reset code **747474**)*
No access to arming/disarming and access code programming (can be used to modify installer code)

005: __/__ **006:** __/__ **007:** __/__

PROGRAMMING MASTER AND USER CODES:

[ENTER] + master code + code number (2 digit) + new code (4 or 6 digit) **+ [ENTER]**

MASTER CODE = 00 (**[10][10]**) *(default / reset code **474747**)*

USER CODES 01-06 = *Bypass, Away, Stay, Arm, Disarm*

USER CODES 07-19 = *Arm, Disarm*

USER CODES 20 = *Arm ONLY*

REPORTING CODE: (all digits from **[1]**-**[F]** are valid / **[2ND]** = **SKIP** = code is not reported) *(default code "**SKIP**, **SKIP**" **[2ND][2ND]**)*

If a condition should not be reported, enter **[2ND][2ND]** after the required address.

"TROUBLE REPORT" CODES:

071: __/__ No AC
072: __/__ Battery disconnected/low voltage
073: __/__ Maximum auxiliary current
074: __/__ Bell disconnect/max. bell current
075: __/__ Tamper / wiring
076: __/__ Timer loss

"RESTORATION" CODES:

077: __/__ No AC
078: __/__ Battery disconnect/low voltage
079: __/__ Maximum auxiliary current
080: __/__ Bell disconnect/max. bell current
081: __/__ Tamper / wiring
082: __/__ Timer loss
180: __/__ Telephone line

"SPECIAL REPORT" CODES:

083: __/__ Disarm after alarm
084: __/__ Panic 1
085: __/__ Panic 2
086: __/__ Fire Panic
087: __/__ Partial arming
088: __/__ Test report

SYSTEM "A" *(ZONES 1-12) (default code "**SKIP, SKIP**" **[2ND][2ND]**)*

ALARM REPORT CODES:

089: __/__ Zone 1A
090: __/__ Zone 2A
091: __/__ Zone 3A
092: __/__ Zone 4A
093: __/__ Zone 5A
094: __/__ Zone 6A
095: __/__ Zone 7A
096: __/__ Zone 8A
097: __/__ Zone 9A
098: __/__ Zone 10A
099: __/__ Zone 11A
100: __/__ Zone 12A

ZONE RESTORATION CODES:

101: __/__ Zone 1A
102: __/__ Zone 2A
103: __/__ Zone 3A
104: __/__ Zone 4A
105: __/__ Zone 5A
106: __/__ Zone 6A
107: __/__ Zone 7A
108: __/__ Zone 8A
109: __/__ Zone 9A
110: __/__ Zone 10A
111: __/__ Zone 11A
112: __/__ Zone 12A

ARMING REPORT CODES:

113: __/__ Esploid
114: __/__ Master code
115: __/__ User code 1
116: __/__ User code 2
117: __/__ User code 3
118: __/__ User code 4
119: __/__ User code 5
120: __/__ User code 6
121: __/__ User code 7
122: __/__ User code 8
123: __/__ User code 9
124: __/__ User code 10

DISARMING REPORT CODES:

125: __/__ Esploid
126: __/__ Master code
127: __/__ User code 1
128: __/__ User code 2
129: __/__ User code 3
130: __/__ User code 4
131: __/__ User code 5
132: __/__ User code 6
133: __/__ User code 7
134: __/__ User code 8
135: __/__ User code 9
136: __/__ User code 10

Enter **[2ND][2ND]** if no report code is required.

SYSTEM "B" *(EXTENSION 1-12) (default code "**SKIP, SKIP**" **[2ND][2ND]**)*

ALARM REPORT CODES:

137: __/__ Zone 1B
138: __/__ Zone 2B
139: __/__ Zone 3B
140: __/__ Zone 4B
141: __/__ Zone 5B
142: __/__ Zone 6B
143: __/__ Zone 7B
144: __/__ Zone 8B
145: __/__ Zone 9B
146: __/__ Zone 10B
147: __/__ Zone 11B
148: __/__ Zone 12B

ZONE RESTORATION CODES:

149: __/__ Zone 1B
150: __/__ Zone 2B
151: __/__ Zone 3B
152: __/__ Zone 4B
153: __/__ Zone 5B
154: __/__ Zone 6B
155: __/__ Zone 7B
156: __/__ Zone 8B
157: __/__ Zone 9B
158: __/__ Zone 10B
159: __/__ Zone 11B
160: __/__ Zone 12B

ARMING REPORT CODES:

161: __/__ User code 11
162: __/__ User code 12
163: __/__ User code 13
164: __/__ User code 14
165: __/__ User code 15
166: __/__ User code 16
167: __/__ User code 17
168: __/__ User code 18
169: __/__ User code 19
170: __/__ User code 20

DISARMING REPORT CODES:

171: __/__ User code 11
172: __/__ User code 12
173: __/__ User code 13
174: __/__ User code 14
175: __/__ User code 15
176: __/__ User code 16
177: __/__ User code 17
178: __/__ User code 18
179: __/__ User code 19

ACCOUNT NUMBERS:

[ENTER] + Installer code + **[9]** + 8 digit of the two system account numbers + **[ENTER]** __ / __ / __ / __ / __ / __ / __ / __

A / B

OR **SYSTEM "A" ACCOUNT NUMBER:** **205:** __/__ **206:** __/__

SYSTEM "B" ACCOUNT NUMBER: **207:** __/__ **208:** __/__

(valid digits are **[1]**-**[F]** / **[2ND] = SKIP**) *(default code **[2ND][2ND][2ND][2ND]**)* If only one account number is required, the same code should be entered for both System A and System B.

PROGRAMMABLE OUTPUT 1: **210:** __/__ **212:** __/__

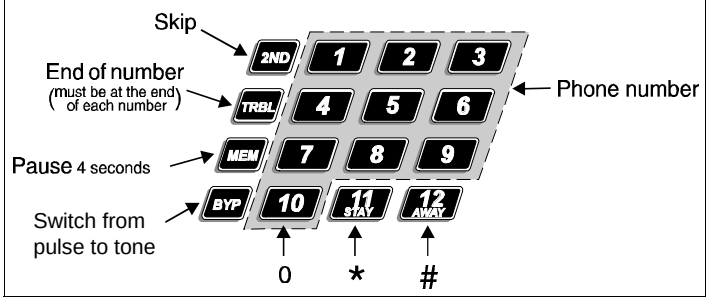
PROGRAMMABLE OUTPUT 2: **211:** __/__ **213:** __/__

TELEPHONE NUMBER PROGRAMMING:

*(default = **[2ND][2ND]**)*

If only one central station phone number is available, the same telephone number should be programmed for telephone number 1 and 2.

TELEPHONE KEY PROGRAMMING



PC DOWNLOAD TELEPHONE NUMBER:

[ENTER] + Installer code + **[3]** + up to first 8 digits (including last digit "end of number" **[TRBL]**) + **[ENTER],** for the next 8 digits same but enter **[4]** instead of **[3]**.

OR

181: __/__ **182:** __/__ **183:** __/__ **184:** __/__ **185:** __/__ **186:** __/__ **187:** __/__ **188:** __/__

CENTRAL STATION TELEPHONE NUMBER 1:

[ENTER] + Installer code + **[5]** + up to first 8 digits (including last digit "end of number" **[TRBL]**) + **[ENTER],** for the next 8 digits same but enter **[6]** instead of **[5]**.

OR

189: __/__ **190:** __/__ **191:** __/__ **192:** __/__ **193:** __/__ **194:** __/__ **195:** __/__ **196:** __/__

CENTRAL STATION TELEPHONE NUMBER 2:

[ENTER] + Installer code + **[7]** + up to first 8 digits (including last digit "end of number" **[TRBL]**) + **[ENTER],** for the next 8 digits same but enter **[8]** instead of **[7]**.

OR

197: __/__ **198:** __/__ **199:** __/__ **200:** __/__ **201:** __/__ **202:** __/__ **203:** __/__ **204:** __/__

QS747-950515

AUTO REPORTING TIME: (create test report code at address 088). To reset real time clock, press **[ENTER]** + Master or Installer code + **[MEM]**

209: __/__

ADDRESS 209: Numbers of days between reports	**1ST DIGIT PROGRAMMING** *If difference between current time and desired reporting time* *LESS THEN 12H*	*MORE THEN 12H*
1	**[1]**	**[9]**
2	**[2]**	**[10]**
3	**[3]**	**[11]**
4	**[4]**	**[12]**
5	**[5]**	**[BYP]**
6	**[6]**	**[MEM]**
7	**[7]**	**[TRBL]**
8		

ADDRESS 209: *If difference in hours between current time and desired reporting time*	**2ND digit**
1 or 13	**[1]**
2 or 14	**[2]**
3 or 15	**[3]**
4 or 16	**[4]**
5 or 17	**[5]**
6 or 18	**[6]**
7 or 19	**[7]**
8 or 20	**[8]**
9 or 21	**[9]**
10 or 22	**[10]**
11 or 23	**[11]**
12 or 24	**[12]**

To desable auto reporting, enter "**FF**" (**[TRBL][TRBL]**)

PANEL OPTIONS: *(default = "**OFF**")*

214:

	KEY OFF / ON	
Telephone line monitor disabled	**1**	enabled
TLM trouble only	**2**	TLM trouble activates alarm
Auto zone shut down disabled	**3**	enabled
Call back disabled	**4**	enabled
Reporting disabled	**5**	enabled
PS1/Key switch disabled	**6**	enabled
Pulse dialing	**7**	Tone dialing (DTMF)
(handshake) "REPORTING FORMAT OPTIONS" 1400 Hz	**8**	2300 Hz
(BPS) 10 bps	**9**	20 bps
(Data) 1800 Hz	10	1900 Hz
Answering machine override disabled	11	enabled
Auto reporting (days X 1)	12	(days X 4)

See **"Table 1"** page 4

216:

	KEY OFF / ON		
Panic 1 disabled	**1**	enabled	**(Keys [1] & [3])**
Panic 2 disabled	**2**	enabled	**(Keys [4] & [6])**
Fire panic 3 disabled	**3**	enabled	**(Keys [7] & [9])**
Panic 1 silent	**4**	audible	
Panic 2 silent	**5**	audible	
Panic 3 silent	**6**	fire	
6 digit access codes	**7**	4 digit	
Key **[10]** fast arm disabled	**8**	enabled	
Fast arm = regular arm	**9**	= stay arm	**(Key [10], keyswitch)**
"TAMPER / ZONE WIRE DEFINITION"	10 / 11		
12 zone system	12	24 zone	

See **"Table 2"** page 4

ZONE DEFINITION: *(default = "**OFF**")*

	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
218 / **220**																								
Slow = ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Fast = OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
222 / **224**																								
Silent = ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Audible = OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
226 / **228**																								
Fire = ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Burglary = OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
230 / **232**																								
24 Hr. = ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Regular = OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
234 / **236**																								
Instant = ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Delay = OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
238 / **240**																								
Follow = ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Delay = OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
242 / **244**																								
Stay = ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Regular = OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
246 / **248**																								
Bypass enabled = ON	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Bypass disabled = OFF	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

3 DIGIT DECIMAL PROGRAMMING (values entered at addresses **[250]** - **[255]** contain 3 digits between **"000"** and **"255"**) (**[10]/[2ND]** = 0)

250: __/__/__ (seconds) Exit delay *(default **60** seconds)*

251: __/__/__ (seconds) Entry delay 1 *(default **45** seconds)*

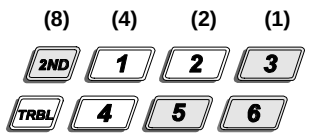
252: __/__/__ (seconds) Entry delay 2***** *(default **45** seconds)*

253: __/__/__ (minutes) Bell cut-off time *(default **5** minutes)*

254: __/__/__ (x 3 mSec.) Slow zone speed *(default **500** mSec.)*

255: __/__/__ Number of rings before answer *(default **8** rings, enter "**000**" panel will not answer)*
(Unless answering machine override is disabled, the panel will answer for answering machine dialing procedure)

DECIMAL VALUE DISPLAY



Total value (**57**)
(**8** + **1** + **32** + **16 = 57**)

No light = **0**

*****Entry delay 2 is programmable at zones 3A, 9A, 3B and 9B.

KEYPAD TROUBLE DISPLAY

Key **"ON"** =

[1] No battery/low battery
[3] AC failure
[4] Bell disconnect
[5] Maximum bell current
[6] Max auxiliary current
[7] Communicator report failure
[8] Timer loss
[9] Tamper or zone wiring failure
[10] Telephone line failure

FORMAT OPTIONS

KEY [8]	[9]	[10]	
OFF	OFF	ON	- Silent Knight/Ademco slow, 10 BPS (1400Hz Handshake)
ON	ON	OFF	- Sescoa, Franklin, DCI, Vertex, 20 BPS (2300Hz Handshake)
OFF	ON	OFF	- Silent Knight fast, 20 BPS (1400Hz Handshake)

TAMPER / ZONE WIRE DEFINITION

SYSTEM ARMED	KEY [10]	[11]	SYSTEM DISARMED
Alarm as per individual zone definitions	OFF	OFF	- Disabled
Always generate trouble and alarm, audible or silent as per individual zone definitions	OFF	ON	- No alarm, trouble code reported
	ON	OFF	- Silent alarm and trouble codes reported*
	ON	ON	- Audible alarm and trouble codes reported*

*Exception: for 24 hour zones the tamper definition will follow the audible/silent alarm definition of the 24 hour zone.

NOTES:

Initiating test report; Press **[ENTER]** + installer or master code + **[BYP]**
Address **214**, key **[5]** "**ON**", Report code at address **088**, telephone number at address **189-204**, and account number (s) at address **205-208** must be programmed.

Initiating Call to Esplad via telephone; Press **[ENTER]** + installer or master code + **[TRBL]**
Panel and PC ID numbers, (address **001-004**, and PC download telephone number (address **181-188**) must be programmed)

Initiating call to Esplad via 747ADP-1; Press **[ENTER]** + installer or master code + **[AWAY]**
(Direct PC modem and panel connection) (In Esplad, activate "blind dial" in modem setup.) **Note:** The panel must be connected to a battery.

To reset timer; Press **[ENTER]** + installer or master code + **[MEM]**

To stop communication attempts;
Disable reporting at address **214**, key **[5]** "**OFF**", then press **[ENTER]** + installer or master code + **[STAY]**

Reset to default;
Reset jumper "**ON**", **[ENTER]** + installer or master code + **[STAY],** then **remove** reset jumper

When communicating with Esplad it is not possible to enter programming mode. All other functions are accessible.

For technical support please fax your name, country, fax and phone numbers in English/ French to (514) 491- 3284. We will do our best to respond within 24 hrs.

ZONE DESCRIPTION:

Zone 1A:_____	Zone 1B:_____
Zone 2A:_____	Zone 2B:_____
Zone 3A:_____	Zone 3B:_____
Zone 4A:_____	Zone 4B:_____
Zone 5A:_____	Zone 5B:_____
Zone 6A:_____	Zone 6B:_____
Zone 7A:_____	Zone 7B:_____
Zone 8A:_____	Zone 8B:_____
Zone 9A:_____	Zone 9B:_____
Zone 10A:_____	Zone 10B:_____
Zone 11A:_____	Zone 11B:_____
Zone 12A:_____	Zone 12B:_____

Version 1.3 modifications from version 1.2.

1) All reportable events (up to 120), telephone line fail and restoration (new code at address 180) and "fail to communicate trouble" are stored in panel memory with TIME AND DATE.

2) Telephone numbers programmed in 8 digits groups, or via address accessing. (See page 2).

3) Panel can be reset to default without powering down by putting the reset jumper then **[ENTER]** + master/installer + **[STAY]** then remove reset jumper. (Reset will clear also previous events)

4) Communication attempts can be canceled by disabling reporting (214 **[5]**) then **[ENTER]** + master/installer [**STAY]** (don't forget to enable reporting again after)

5) User codes are programmed not via addresses but by **[ENTER]** + master code + code No. (2 digits) + new code 4 or 6 digits +**[ENTER]**.

6) When system is stay armed and key 10 enabled for stay arming, by pressing key 10, the system will provide exit delay and go back to stay arm after, no need to disarm and restay-arm the system.

7) Key **[10]** = 0 in address mode programming.

8) keypad buzzer follows bell output.

9) Arm LED (red) on keypad flashes upon any alarm.

10) When system is running on battery power, if battery reach 10.5V low battery will be reported and 20 minutes after if AC has not been restored aux. power will be cut in order to avoid over discharge of battery.

11) When system is in 4 digit code (address 216 **[7] on** 6 digit code can be entered in code programming for posssible future 6 digit code usage. If the last two digits are empty (**[2ND][2ND]**) (default) the first two digits will automatically be inserted in the last two digits.

WARRANTY

Warranty conditions for the Esprit 747 may vary from country to country. Please consult your local dealer for complete warranty information. In all cases, the warranty does not cover malfunctions arising from installer error or failure to follow installation/operation instructions, nor does it apply to damages due to causes beyond the control of Paradox Security Systems Ltd., such as lightning, excessive voltage, mechanical shock or water damage.

LIABILITY

Under no circumstances shall Paradox Security Systems Ltd. be held liable for any direct or indirect damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation, operation or failure of this product.

WARNING

This security system should undergo frequent testing. However, despite regular testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

Technical Support Fax: (514) 491-3284
PARADOX SECURITY SYSTEMS LTD. Fax: (514) 491-2313
780 Industrial Blvd, St Eustache, Quebec, Canada J7R 5V3

USA technical support: LITTON - 1 (800) 336-5917
Canada technical support: MSP - 1 (800) 361-2615