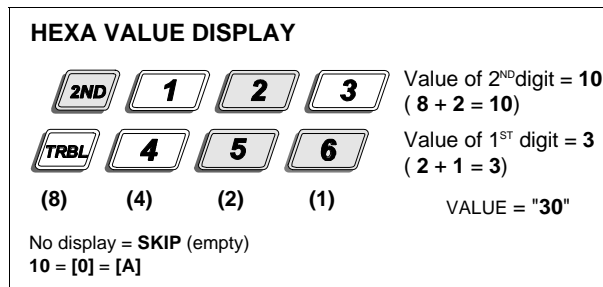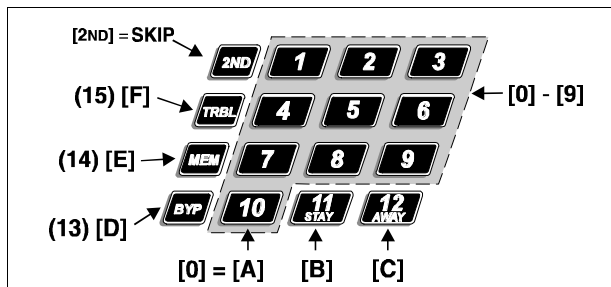# //////ESPRIT 747
PROGRAMMING REFERENCE

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

2ND	1	2	3	Value of 2ND digit = **10** (**8 + 2 = 10**)
TRBL	4	5	6	Value of 1ST digit = **3** (**2 + 1 = 3**)
(8)	(4)	(2)	(1)	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:	**"RESTORATION" CODES**:	**"SPECIAL REPORT" CODES**:
071: __/__ No AC	**077:** __/__ No AC	**083:** __/__ Disarm after alarm
072: __/__ Battery disconnected/low voltage	**078:** __/__ Battery disconnect/low voltage	**084:** __/__ Panic 1
073: __/__ Maximum auxiliary current	**079:** __/__ Maximum auxiliary current	**085:** __/__ Panic 2
074: __/__ Bell disconnect/max. bell current	**080:** __/__ Bell disconnect/max. bell current	**086:** __/__ Fire Panic
075: __/__ Tamper / wiring	**081:** __/__ Tamper / wiring	**087:** __/__ Partial arming
076: __/__ Timer loss	**082:** __/__ Timer loss	**088:** __/__ Test report
	180: __/__ Telephone line	

QS747-950515

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

ALARM REPORT CODES:	ZONE RESTORATION CODES:
089: __/__ Zone 1A	**101:** __/__ Zone 1A
090: __/__ Zone 2A	**102:** __/__ Zone 2A
091: __/__ Zone 3A	**103:** __/__ Zone 3A
092: __/__ Zone 4A	**104:** __/__ Zone 4A
093: __/__ Zone 5A	**105:** __/__ Zone 5A
094: __/__ Zone 6A	**106:** __/__ Zone 6A
095: __/__ Zone 7A	**107:** __/__ Zone 7A
096: __/__ Zone 8A	**108:** __/__ Zone 8A
097: __/__ Zone 9A	**109:** __/__ Zone 9A
098: __/__ Zone 10A	**110:** __/__ Zone 10A
099: __/__ Zone 11A	**111:** __/__ Zone 11A
100: __/__ Zone 12A	**112:** __/__ Zone 12A

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

ALARM REPORT CODES:	ZONE RESTORATION CODES:
137: __/__ Zone 1B	**149:** __/__ Zone 1B
138: __/__ Zone 2B	**150:** __/__ Zone 2B
139: __/__ Zone 3B	**151:** __/__ Zone 3B
140: __/__ Zone 4B	**152:** __/__ Zone 4B
141: __/__ Zone 5B	**153:** __/__ Zone 5B
142: __/__ Zone 6B	**154:** __/__ Zone 6B
143: __/__ Zone 7B	**155:** __/__ Zone 7B
144: __/__ Zone 8B	**156:** __/__ Zone 8B
145: __/__ Zone 9B	**157:** __/__ Zone 9B
146: __/__ Zone 10B	**158:** __/__ Zone 10B
147: __/__ Zone 11B	**159:** __/__ Zone 11B
148: __/__ Zone 12B	**160:** __/__ Zone 12B

ARMING REPORT CODES:	DISARMING REPORT CODES:
113: __/__ Espload	**125:** __/__ Espload
114: __/__ Master code	**126:** __/__ Master code
115: __/__ User code 1	**127:** __/__ User code 1
116: __/__ User code 2	**128:** __/__ User code 2
117: __/__ User code 3	**129:** __/__ User code 3
118: __/__ User code 4	**130:** __/__ User code 4
119: __/__ User code 5	**131:** __/__ User code 5
120: __/__ User code 6	**132:** __/__ User code 6
121: __/__ User code 7	**133:** __/__ User code 7
122: __/__ User code 8	**134:** __/__ User code 8
123: __/__ User code 9	**135:** __/__ User code 9
124: __/__ User code 10	**136:** __/__ User code 10

ARMING REPORT CODES:	DISARMING REPORT CODES:
161: __/__ User code 11	**171:** __/__ User code 11
162: __/__ User code 12	**172:** __/__ User code 12
163: __/__ User code 13	**173:** __/__ User code 13
164: __/__ User code 14	**174:** __/__ User code 14
165: __/__ User code 15	**175:** __/__ User code 15
166: __/__ User code 16	**176:** __/__ User code 16
167: __/__ User code 17	**177:** __/__ User code 17
168: __/__ User code 18	**178:** __/__ User code 18
169: __/__ User code 19	**179:** __/__ User code 19
170: __/__ User code 20	

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

ACCOUNT NUMBERS:

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

OR   **SYSTEM "A" ACCOUNT NUMBER:**   **SYSTEM "B" ACCOUNT NUMBER:**
    205: __/__   **206:** __/__   **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:   PROGRAMMABLE OUTPUT 2:
210: __/__   **212:** __/__   **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

Skip → [2ND]
End of number *(must be at the end of each number)* → [TRBL]
Pause 4 seconds → [MEM]
Switch from pulse to tone → [BYP]

[2ND]	1	2	3
[TRBL]	4	5	6
[MEM]	7	8	9
[BYP]	10	11 STAY	12 AWAY

Phone number →

0   *   #

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:** __/__

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

ADDRESS 209:	2ND DIGIT PROGRAMMING	
If difference in hours between		**2ND digit**
current time and desired reporting time		
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) 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)

(handshake), *(BPS)*, *(Data)* = **"REPORTING FORMAT OPTIONS"** — 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** □	See **"Table 2"** page 4	
	□ **11** □		
12 zone system	□ **12** □	24 zone	

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

218
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A
Slow = ON	□	□	□	□	□	□	□	□	□	□	□	□
Fast = OFF	□	□	□	□	□	□	□	□	□	□	□	□

220
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□

222
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A
Silent = ON	□	□	□	□	□	□	□	□	□	□	□	□
Audible = OFF	□	□	□	□	□	□	□	□	□	□	□	□

224
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□

226
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A
Fire = ON	□	□	□	□	□	□	□	□	□	□	□	□
Burglary = OFF	□	□	□	□	□	□	□	□	□	□	□	□

228
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□

230
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A
24 Hr. = ON	□	□	□	□	□	□	□	□	□	□	□	□
Regular = OFF	□	□	□	□	□	□	□	□	□	□	□	□

232
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□

234
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A
Instant = ON	□	□	□	□	□	□	□	□	□	□	□	□
Delay = OFF	□	□	□	□	□	□	□	□	□	□	□	□

236
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□

238
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A
Follow = ON	□	□	□	□	□	□	□	□	□	□	□	□
Delay = OFF	□	□	□	□	□	□	□	□	□	□	□	□

240
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□

242
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A
Stay = ON	□	□	□	□	□	□	□	□	□	□	□	□
Regular = OFF	□	□	□	□	□	□	□	□	□	□	□	□

244
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□

246
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A
Bypass enabled = ON	□	□	□	□	□	□	□	□	□	□	□	□
Bypass disabled = OFF	□	□	□	□	□	□	□	□	□	□	□	□

248
	1B	2B	3B	4B	5B	6B	7B	8B	9B	10B	11B	12B
	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□

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)

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

DECIMAL VALUE DISPLAY

	(8)	(4)	(2)	(1)
2ND	1	2	3	
TRBL	4	5	6	
(128)	(64)	(32)	(16)	

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

No light = **0**

KEYPAD TROUBLE DISPLAY

Key **"ON"** =

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

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 Espload 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 Espload via 747ADP-1; Press **[ENTER]** + installer or master code + **[AWAY]**
(Direct PC modem and panel connection) (In Espload, 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 Espload 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.