

WATKINS WELLNESS™

CALDERA 50Hz

CONTROL BOX CONFIGURATION INSTRUCTIONS

TS – Doc. MAR 2018

CONTROL BOX CONFIGURATION INSTRUCTIONS

2018 – CURRENT UTOPIA (ALL)

Follow the instruction below to update and properly configure the control box.

Software Update:

1. Access the Service Portal and download **EU1.01** software to a formatted UBS drive stick.
2. Access the control box and install software.

Configuration:

1. Make sure the power is ON.
2. Wait for the home screen to appear. See **Figure 1**.
3. Inside the control box locate the **SETUP / SW1** button, see **Figure 2**.
4. Press for 3 - 5 seconds to access Service Mode. See **Figure 3**.
5. In Service Mode Press **Next** until Configuration is highlighted, see **Figure 4**. then press to enter configuration mode.
6. Press **Next** to scroll through all jumper settings.
7. Set each jumper setting according to the table on the **Next** page.
8. Once every soft jumper has been set turn the spa power OFF and back ON.
9. Allow the spa to completely power up and verify spa operation



Figure 1



Figure 2

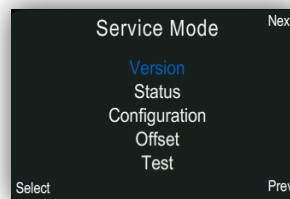


Figure 3

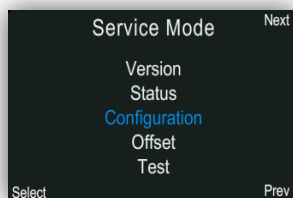


Figure 4

CONTROL BOX CONFIGURATION INSTRUCTIONS

2018 – CURRENT UTOPIA (ALL)

2018 – CURRENT UTOPIA (ALL)		SOFTWARE EU 1.01	
DESCRIPTION		UTOPIA	
		TAHITIAN - TABE NIAGARA - NIBE GENEVA - GEBE FLORENCE - FLBE PROVENCE - PRBE	CANTABRIA - CABB
1	PUMP 1 SPEED	SINGLE	DUAL
2	PUMP 2	ENA	ENA
3	PUMP 2 SPEED	DUAL	DUAL
4	PUMP 3	DIS	ENA
5	BLOWER	DIS	DIS
6	24 HOUR FEATURES	ENA	ENA
7	MUSIC FEATURES	DIS (NOTE 1)	DIS (NOTE 1)
8	TEMP DISPLAY	ENA	ENA
9	HEATER CONCURRENT	ENA	ENA
10	BLOWER CONCURRENT	DIS	DIS
11	ZONE 1	ENA	ENA
12	ZONE 2	ENA	ENA
13	ZONE 3	ENA	ENA
14	ZONE 4	ENA	ENA
15	PUMP 3 CONCURRENT	DIS	DIS (NOTE 2)
16	EMBEDDED MZLIGHT	ENA	ENA
17	JET TIMEOUT A	DIS	DIS
18	JET TIMEOUT B	ENA	ENA
19	MUSIC 12C / RS485	RS485	RS485
20	SPA LOCK	ENA	ENA
21	3-PHASE POWER	DIS	DIS
22 – 23	NOT USED	NOT USED	
24	EXTERIOR LIGHTS	ENA	ENA
25	NOT USED	NOT USED	
26	LOGO HIGH BRIGHTNESS	DIS	DIS
27	LOGO LOW BRIGHTNESS	DIS	DIS
28	SPA SIZE A	DIS	DIS
29	SPA SIZE B	DIS	DIS
30	AUTO WATER CARE	DIS	DIS
31	BLUETOOTH XR (BTXR)	ENA (NOTE 3)	ENA (NOTE 3)
32	SUMMER MODE	ENA	ENA
NOTE REFERENCE			
NOTE 1: MUST REMAIN AT ALL TIMES = DISABLE			
NOTE 2: PUMP 3 CONCURRENT WITH HEATER = ENABLE			
NOTE 3: 1 ST GENERATION BLUETOOTH MUSIC SYSTEM = DISABLE			

CONTROL BOX CONFIGURATION INSTRUCTIONS

2014 – 2017 UTOPIA (ALL) <> 2016 – CURRENT PARADISE (ALL)

Follow the instruction below to update and properly configure the control box.

Software Update:

1. Access the Service Portal and download **1.11U** software to a formatted UBS drive stick.
2. Access the control box and install software.

Configuration:

1. Make sure the power is ON.
2. Wait for the home screen to appear. See **Figure 1**.
3. Inside the control box locate the **SETUP / SW1** button, see **Figure 2**.
4. Press for 3 - 5 seconds to access Service Mode. See **Figure 3**.
5. In Service Mode Press **Next** soft button until Configuration is highlighted, see **Figure 4**. then press the **Select** soft button to enter configuration mode.
6. Press **Next** soft button to scroll through all jumper settings.
7. Set each jumper setting according to the table on the **Next** page.
8. Once every soft jumper has been set turn the spa power OFF and back ON.
9. Allow the spa to completely power up and verify spa operation.



Figure 1



Figure 2

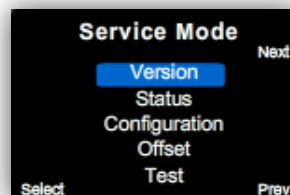


Figure 3

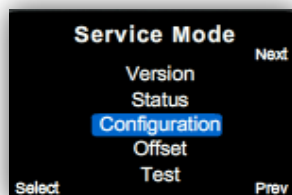


Figure 4

CONTROL BOX CONFIGURATION INSTRUCTIONS

2014 – 2017 UTOPIA (ALL) <> 2016 – CURRENT PARADISE (ALL)

2014 – 2017 UTOPIA (ALL) 2016 – CURRENT PARADISE (ALL)				SOFTWARE 1.11U	
DESCRIPTION		UTOPIA		PARADISE	
		TAHITIAN - TABE NIAGARA - NIBE GENEVA - GEBE	CANTABRIA - CABE	MARTINIQUE - MRA SALINA - SAA MAKENA - MAA	KAUAI - KAAE
1	PUMP 1 SPEED	SINGLE	DUAL	SINGLE	SINGLE
2	PUMP 2	ENA	ENA	ENA	DIS
3	PUMP 2 SPEED	DUAL	DUAL	DUAL	SINGLE
4	PUMP 3	DIS	ENA	DIS	DIS
5	BLOWER	DIS (NOTE 4)	DIS (NOTE 4)	DIS	DIS
6	24 HOUR FEATURES	ENA	ENA	ENA	ENA
7	MUSIC FEATURES	DIS (NOTE 1)	DIS (NOTE 1)	DIS (NOTE 1)	DIS (NOTE 1)
8	TEMP DISPLAY	ENA	ENA	ENA	ENA
9	HEATER CONCURRENT	ENA	ENA	ENA	DIS
10	BLOWER CONCURRENT	DIS (NOTE 4)	DIS (NOTE 4)	DIS	DIS
11	ZONE 1	ENA	ENA	ENA	ENA
12	ZONE 2	ENA	ENA	DIS	DIS
13	ZONE 3	ENA	ENA	DIS	DIS
14	ZONE 4	ENA	ENA	DIS	DIS
15	PUMP 3 CONCURRENT	DIS	DIS (NOTE 2)	DIS	DIS
16	EMBEDDED MZLIGHT	ENA	ENA	ENA	ENA
17	JET TIMEOUT A	DIS	DIS	DIS	DIS
18	JET TIMEOUT B	ENA	ENA	ENA	ENA
19	MUSIC 12C / RS485	RS485	RS485	RS485	RS485
20	SPA LOCK	ENA	ENA	ENA	ENA
21	3-PHASE POWER	DIS	DIS	DIS	DIS
22-23	NOT USED	NOT USED			
24	EXTERIOR LIGHTS	ENA	ENA	DIS	DIS
25	NOT USED	NOT USED			
26	LOGO HIGH BRIGHTNESS	DIS	DIS	DIS	DIS
27	LOGO LOW BRIGHTNESS	DIS	DIS	DIS	DIS
28	SPA SIZE A	DIS	DIS	DIS	DIS
29	SPA SIZE B	DIS	DIS	DIS	DIS
30	AUTO WATER CARE	DIS	DIS	DIS	DIS
31	BLUETOOTH XR (BTXR)	ENA (NOTE 3)	ENA (NOTE 3)	ENA (NOTE 3)	ENA (NOTE 3)
32	SUMMER MODE	ENA	ENA	ENA	ENA
NOTE REFERENCE					
NOTE 1: MUST REMAIN AT ALL TIMES = DISABLE					
NOTE 2: PUMP 3 CONCURRENT WITH HEATER = ENABLE					
NOTE 3: 1 ST GENERATION BLUETOOTH MUSIC SYSTEM = DISABLE					
NOTE 4: PRE 2016 MODELS = ENABLE					

CONTROL BOX CONFIGURATION INSTRUCTIONS

2012 3RD QTR. – 2013 UTOPIA (ALL) <> 2012 3RD QTR. – 2015 PARADISE (ALL)

Follow the instruction below to update and properly configure the control box.

Software Update:

1. Access the Service Portal and download **1.09C** software to a formatted UBS drive stick.
2. Access the control box and install software.

Configuration:

1. Make sure the power is ON.
2. Wait for the home screen to appear. See **Figure 1**.
3. Inside the control box locate the **SETUP / SW1** button, see **Figure 2**. Press for 3 - 5 seconds to access Service Mode.
4. In Service Mode the control panel will display the current system software version, see **Figure 3**.
5. Press the **MODE ▲** button 2 times to navigate to the first jumper setting (J1).
6. Use the **ON ▲** button on the control panel to change the jumper setting to **Positive (+)**. See **Figure 4a**
6. Use the **OFF ▼** button on the control panel to change the jumper setting to **Negative (-)**. See **Figure 4b**.
7. Set each jumper setting according to the table on the **Next** page.
8. Once every soft jumper has been set turn the spa power OFF and back ON.
9. Allow the spa to completely power up and verify spa operation.



Figure 1



Figure 2



Figure 3



Figure 4a



Figure 4b

CONTROL BOX CONFIGURATION INSTRUCTIONS

2012 3RD QTR. – 2013 UTOPIA (ALL) ↔ 2012 3RD QTR. – 2015 PARADISE (ALL)

2012 3RD QTR. – 2013 UTOPIA (ALL) 2012 3RD QTR. – 2015 PARADISE (ALL)					SOFTWARE 1.09C
SOFT JUMPER	DESCRIPTION	UTOPIA			PARADISE
		TAHITIAN – TABE NIAGARA – NIBE GENEVA – GEBE	CANTABRIA – CABE	ELATION – ELME	MARTINIQUE - MRAE SALINA - SAAE MAKENA - MAAE
J1	PUMP 2	+	+	+	+
J2	BLOWER	+	+	-	-
J3	HEATER CONCURRENT	+	+	-	-
J4	BLOWER CONCURRENT	+	+	-	-
J5	24 HOUR FEATURES	+	+	-	-
J6	BLUETOOTH XR (BTXR)	- (NOTE 2)	- (NOTE 2)	- (NOTE 2)	- (NOTE 2)
J7	DISPLAY BLANKING	+	+	+	+
J8	MUSIC FEATURES	- (NOTE 1)	- (NOTE 1)	- (NOTE 1)	- (NOTE 1)
J9	TEMPERATURE °F / °C	-	-	-	-
J10	TEMPERATURE DISPLAY	+	+	+	+
J11	PUMP 1 2 SPEED	-	+	-	-
J12	PUMP 2 2 SPEED	+	+	-	-
J13	PUMP 3	-	+	-	-
J14	ZONE 1	+	+	+	+
J15	ZONE 2	+	+	-	-
J16	ZONE 3	+	+	-	-
J17	ZONE 4	+	+	-	-
J18	PUMP #3 CONCURRENT	-	- (NOTE 3)	-	-
J19	EMBEDDED MZLIGHT	+	+	+	+
J20	JETS TIME OUT A	-	-	-	-
J21	JETS TIME OUT B	+	+	+	+
J22	NOT USED	NOT USED			
J23	UPPER TEMPERATURE	-	-	-	-
J24	MUSIC I2C / RS485	-	-	-	-
J25	SPA LOCK	+	+	+	+
J26	3 - PHASE	-	-	-	-
NOTE REFERENCE					
NOTE 1: MUST REMAIN AT ALL TIMES. J8 = NEGATIVE (-)					
NOTE 2: BLUETOOTH XR MUSIC SYSTEM J6= POSITIVE (+)					
NOTE 3: 70A CONVERSION J18 = POSITIVE (+)					

CONTROL BOX CONFIGURATION INSTRUCTIONS

2015 – CURRENT VACANZA (ALL)

Follow the instruction below to update and properly configure the control box.

Software Update:

1. Access the Service Portal and download **1.12T** software to a formatted UBS drive stick.
2. Access the control box and install software.

Configuration:

1. Make sure the power is ON.
2. Wait for the home screen to appear. See **Figure 1**.
3. Inside the control box locate the **SETUP / SW1** button, see **Figure 2**. Press for 3 - 5 seconds to access Service Mode.
4. In Service Mode the control panel will display the current software version, see **Figure 3**.
5. Press the **MODE ▲** button 2 times to navigate to the first jumper setting (J1).
6. To change the jumper setting to **Positive (+)** use the **Positive (+)** button, see **Figure 4a**. To change the jumper setting to **Negative (-)** use the **Negative (-)** button. see **Figure 4b**.
7. Press the **MODE ▲** button to scroll through all jumper settings.
8. Set each jumper setting according to the table on the **Next** page.
9. Once every soft jumper has been set turn the spa power OFF and back ON.
10. Allow the spa to completely power up and verify spa operation.



Figure 1



Figure 2



Figure 3

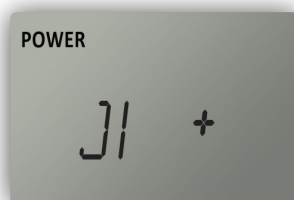


Figure 4a

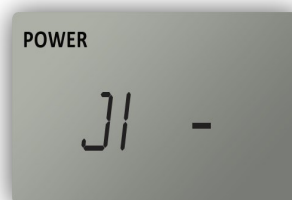


Figure 4b

CONTROL BOX CONFIGURATION INSTRUCTIONS

2015 – CURRENT VACANZA (ALL)

2015 – CURRENT VACANZA (ALL)				SOFTWARE 1.12T
SOFT JUMPER	DESCRIPTION	VACANZA		
		PALATINO – PLTE MARINO – MRNE VANTO – VNTE	AVENTINE – AVHE	CAPITOLO – CPTE CELIO – CELE
J1	PUMP #2	+	-	-
J2	BLOWER	-	-	-
J3	HEATER CONCURRENT HC / LC	-	-	-
J4	BLOWER CONCURRENT	-	-	-
J5	24 HOUR FEATURE	-	-	-
J6	BLUETOOTH XR (BTXR)	+ (NOTE 1)	+ (NOTE 1)	+ (NOTE 1)
J7	DISPLAY BLANKING	-	-	-
J8	MUSIC FEATURE	-	-	-
J9	TEMPERATURE °F / °C	+	+	+
J10	TEMPERATURE DISPLAY	+	+	+
J11	PUMP #1 2 SPEED	+	+	+
J12	PUMP #2 2 SPEED	-	-	-
J13	PUMP #3	-	-	-
J14	ZONE 1	+	- (NOTE 2)	+
J15	ZONE 2	-	-	-
J16	ZONE 3	-	-	-
J17	ZONE 4	-	-	-
J18	PUMP #3 CONCURRENT	-	-	-
J19	EMBEDDED MZLIGHT	+	- (NOTE 2)	+
J20	JETS TIME OUT A	-	-	-
J21	JETS TIME OUT B	+	+	+
J22	CIRC. PUMP MODE	-	-	-
J23	UPPER TEMPERATURE	-	-	-
J24	I2C OR RS485	-	-	-
J25	SPA LOCK	+	+	+
J26	3 - PHASE	-	-	-
J27	NOT USED	-	-	-
J28	NOT USED	-	-	-
J29 – J35	NOT USED	NOT USED		
J36	SUMMER TIMER	+	+	+
NOTE REFERENCE				
NOTE 1: 1 ST GENERATION BLUETOOTH MUSIC SYSTEM J6 = NEGATIVE (-)				
NOTE 2: SPA WITH OPTIONAL MULTICOLOR LIGHT J14 = POSITIVE (+) AND J19 = POSITIVE (+)				

CONTROL BOX CONFIGURATION INSTRUCTIONS

2012 3RD QTR. – 2014 VACANZA (ALL)

Follow the instruction below to update and properly configure the control box.

Software Update:

1. Access the Service Portal and download **1.09S** software to a formatted UBS drive stick.
2. Access the control box and install software.

Configuration:

1. Make sure the power is ON.
2. Wait for the home screen to appear. See **Figure 1**.
3. Inside the control box locate the **SETUP / SW1** button, see **Figure 2**. Press for 3 - 5 seconds to access Service Mode.
4. In Service Mode the control panel will display software version, see **Figure 3**.
5. Press the **SET** button 2 times to navigate to the first jumper setting (J1).
6. To change the jumper setting to **Positive (+)** use the **TEMP ▲** button, see **Figure 4a**. To change the jumper setting to **Negative (-)** use the **TEMP ▼** button. see **Figure 4b**.
7. Press the **SET** button to scroll through all jumper settings.
8. Set each jumper setting according to the table on the **Next** page.
9. Once every soft jumper has been set turn the spa power OFF and back ON.
10. Allow the spa to completely power up and verify spa operation.



Figure 1



Figure 2



Figure 3

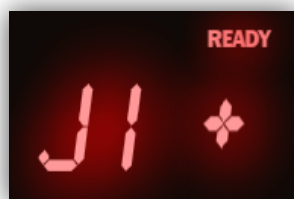


Figure 4a

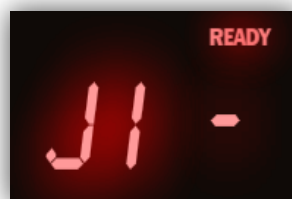


Figure 4b

CONTROL BOX CONFIGURATION INSTRUCTIONS

2012 3RD QTR. – 2014 VACANZA (ALL)

2012 3RD QTR. – 2014 VACANZA (ALL)				SOFTWARE 1.09S
SOFT JUMPER	DESCRIPTION	VACANZA		
		PALATINO – PLTE MARINO – MRNE VANTO – VNTE	AVENTINE – AVHE	CAPITOLO – CPTE CELIO – CELE
J1	PUMP #2	+	-	-
J2	BLOWER	-	-	-
J3	HEATER CONCURRENT HC / LC	-	-	-
J4	BLOWER CONCURRENT	-	-	-
J5	24 HOUR FEATURE	-	-	-
J6	BLUETOOTH XR (BTXR)	- (NOTE 1)	- (NOTE 1)	- (NOTE 1)
J7	DISPLAY BLANKING	-	-	-
J8	MUSIC FEATURE	-	-	-
J9	TEMPERATURE °F / °C	+	+	+
J10	TEMPERATURE DISPLAY	+	+	+
J11	PUMP #1 2 SPEED	+	+	+
J12	PUMP #2 2 SPEED	-	-	-
J13	PUMP #3	-	-	-
J14	ZONE 1	+	- (NOTE 2)	+
J15	ZONE 2	-	-	-
J16	ZONE 3	-	-	-
J17	ZONE 4	-	-	-
J18	PUMP #3 CONCURRENT	-	-	-
J19	EMBEDDED MZLIGHT	+	- (NOTE 2)	+
J20	JETS TIME OUT A	-	-	-
J21	JETS TIME OUT B	+	+	+
J22	CIRC. PUMP MODE	-	-	-
J23	UPPER TEMPERATURE	-	-	-
J24	I2C OR RS485	-	-	-
J25	SPA LOCK	+	+	+
J26	3 - PHASE	-	-	-
NOTE REFERENCE				
NOTE 1: BLUETOOTH XR MUSIC SYSTEM J6= POSITIVE (+)				
NOTE 2: SPA WITH OPTIONAL MULTICOLOR LIGHT J14 = POSITIVE (+) AND J19 = POSITIVE (+)				

**RETROFIT
CONTROL BOX CONFIGURATION
INSTRUCTIONS**

CONTROL BOX CONFIGURATION INSTRUCTIONS

RETROFIT CEDRIC TO HAWK

2006 – 2012 2ND QTR. VACANZA/HIGHLAND/C-SERIES/OASIS 60HZ (ALL MODELS)

Follow the instruction below to update and properly configure the control box.

Software Update:

1. Access the Service Portal and download **1.09S** software to a formatted UBS drive stick.
2. Access the control box and install software.

Configuration:

1. Make sure the power is ON.
2. Wait for the home screen to appear. See **Figure 1**.
3. Inside the control box locate the **SETUP / SW1** button, see **Figure 2**. Press for 3 - 5 seconds to access Service Mode.
4. In Service Mode the control panel will display software version, see **Figure 3**.
5. Press the **SET** button 2 times to navigate to the first jumper setting (J1).
6. To change the jumper setting to **Positive (+)** use the **TEMP ▲** button, see **Figure 4a**. To change the jumper setting to **Negative (-)** use the **TEMP ▼** button. see **Figure 4b**.
7. Press the **SET** button to scroll through all jumper settings.
8. Set each jumper setting according to the table on the **Next** page.
9. Once every soft jumper has been set turn the spa power OFF and back ON.
10. Allow the spa to completely power up and verify spa operation.



Figure 1



Figure 2



Figure 3

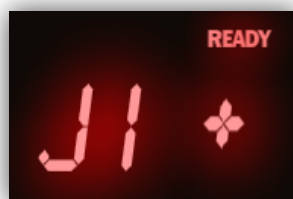


Figure 4a

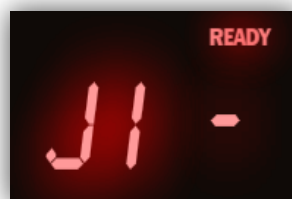


Figure 4b

CONTROL BOX CONFIGURATION INSTRUCTIONS

RETROFIT CEDRIC TO HAWK

 2006 – 2012 2ND QTR. VACANZA/HIGHLAND/C-SERIES/OASIS 60HZ (ALL MODELS)

RETROFIT CEDRIC TO HAWK 2006 - 2012 2ND QTR VACANZA/HIGHLAND/C-SERIES (ALL)						SOFTWARE I.09S	
SOFT JUMPER	DESCRIPTION	VACANZA		HIGHLAND		C-SERIES	
		PALATINO - PLTE MARINO - MRNE VANTO - VNTE	AVENTINE - AVHE CAPITOLO - CPTE	OLYMPIA - OLHE	AVENTINE - AVHE CUMBERLAND - CUHE	C45 - C45E C45S - C45SE	C30 - C30E C30S - C30SE
J1	PUMP #2	+	-	+	-	+	-
J2	BLOWER	-	-	-	-	-	-
J3	HEATER CONCURRENT HC / LC	-	-	-	-	-	-
J4	BLOWER CONCURRENT	-	-	-	-	-	-
J5	24 HOUR FEATURE	-	-	-	-	-	-
J6	BLUETOOTH XR (BTXR)	-	-	-	-	-	-
J7	DISPLAY BLANKING	+	+	+	+	+	+
J8	MUSIC FEATURE	-	-	-	-	-	-
J9	TEMPERATURE °F / °C	+	+	+	+	+	+
J10	TEMPERATURE DISPLAY	+	+	+	+	+	+
J11	PUMP #1 2 SPEED	+	+	+	+	+	+
J12	PUMP #2 2 SPEED	-	-	-	-	-	-
J13	PUMP #3	-	-	-	-	-	-
J14	ZONE 1	-	-	-	-	-	-
J15	ZONE 2	-	-	-	-	-	-
J16	ZONE 3	-	-	-	-	-	-
J17	ZONE 4	-	-	-	-	-	-
J18	PUMP #3 CONCURRENT	-	-	-	-	-	-
J19	EMZ LIGHT	-	-	-	-	-	-
J20	JETS TIME OUT A	-	-	-	-	-	-
J21	JETS TIME OUT B	+	+	+	+	+	+
J22	CIRC. PUMP MODE	-	-	-	-	-	-
J23	UPPER TEMPERATURE	-	-	-	-	-	-
J24	I2C OR RS485	+	+	+	+	+	+
J25	SPA LOCK	+	+	+	+	+	+
J26	3 - PHASE	-	-	-	-	-	-