

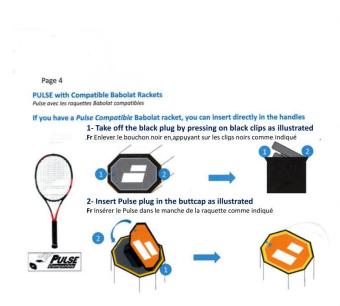
Laboratoire de Moirans Z.I. Centr'Alp 170, Rue de Chatagnon 38430 MOIRANS - FRANCE

GENERAL INFORMATION

FCCID: 2AAESPULSE2018

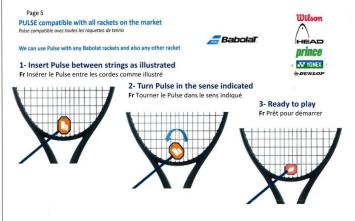
1.1. Product description





Page 3 PULSE for the first time! Fr Démarrer avec Pulse 1- Connect and charge the device If you don't have a Babolat account 2- Enter your informations 3- Do you have a Babolat Device? Answer YES 3- Add a connected device 4- Select Babolat Pulse 5- Follow bluetooth indications and select your devic 6- If necessary, update it

7- Fix your device on handle (page4) or stringbed (page5)





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Status light

Understanding Babolat Pulse's Status Lights

Mode/State	Action	Light status	
OFF	Defaut mode	No light	
Standby	The device detects a racket's motion and waiting a action	Light flashes slowly and fixes for 3 sec	
Run Mode	Automatically start at the first shot	Light flahes slowly every 2 sec	
Return to Standby	The device return to standby automatically if no motion is detected for 5 min	Light flashes slowly and fixes for 3 sec	
Return to Off	After standby, the device switches off automocally if no motion is detected for 2 min	No light	
Firmware upgrade	Displayed when plug upgrading	Light flashes very rapidly every 0,3 second, during 2 seconds	

Alert	Action	Light status	
Low battery	Displayed automocally when racket has 5% battery life remaining	After a motion detection, light flashes 2 times rapidly for 10 sec	
Charging	Plug into charger and connect to power source	' I Light flashes slowly every 3 se	
Charging complete	Charge to completion	Light is fixed	
Memory full	Displayed automocally when racket memory is full at 95% (synchronization is needed	To be defined	

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Fr Expérience Pulse

FEED - A news feed about your friends and favorite pro players

EXPLORE - All the information you need

COMMUNITY - How you are doing compared to your friends and the community



PROFILE - A summary of all your tennis stats

Page 7 Specifications

SENSORS Capteur | Sensori | Sensoren | センサー | 센서 | 传感器

CONNECTIVITY

Bluetooth Smart 4.0 (BLE) Micro USB Cable

Connectivité|Connectividad|Connettività|Anbindung|接続|연결|连接性

6 axies sensor 3D accelerometer 3D High-speed Gyroscope

Length Width 28mm 25mm Height 18mm Weight Less than 0,28oz/8

MEMORY

Mémoire | Memoria | Speicher | メモリー | 메모리 | 内存

Up to 250 hours of play

BATTERY

Batteria | Akku | パッテリー | 배터리 | 电池

Built-in rechargeable Lithium Ion Battery

2-3 hours full charge cycle Lasts up to 8 hours

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ACTIVITY - Access your matches, trainings or open sessions

Start Live mode

Fr Démarrer avec Pulse

Find your tennis sessions easily

FR Repérez facilement vos sessions de tennis







Sync a session -

Fr Synchroner une session

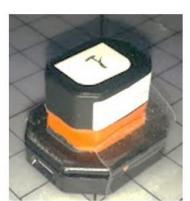


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1.2. Tested System Details

Equipment under test (EUT):

BABOLAT Pulse



Photography of EUT

00000000

Serial Number: 00000003

Power supply:

Туре	Reference	Sn	Rating
AC/DC adapter (USB)	ETA-U90EWE	RT1D918R	100-240 =>5.3V (2A)

Inputs/outputs - Cable:

Access	Туре	Length used (m)	Declared <3m	Shielded	Under test	Comments
Access 1	USB port (Charge only)	0.5	Ø	Ø		Only in charging mode

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Laptop	LENOVO L450	1	-1



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Equipment information:

Bluetooth LE Type:	☑ BLE □ v4.0			☑ v4.1		□ v4.2
Frequency band:	[2400 – 2483.5] MHz					
Spectrum Modulation:	☑ DSSS (Tested like it)					
Number of Channel:			4	0		
Spacing channel:			2M	Hz		
Channel bandwidth:			1M	Hz		
Antenna Type:	✓ Integral		□ Ext	External		□ Dedicated
Antenna connector:	☐ Yes			No		Temporary for test
			1			
Transmit chains:			Single a			
			Gain: :	2.5dBi		
Beam forming gain:			N	0		
Receiver chains	1					
Type of equipment:		е	□ Pl			□ Combined
Ad-Hoc mode:		Yes		☑ No		
Adaptivity mode:	☐ Yes (Load Based) ☐ Off mo					
Adaptivity mode.	Clear Channel Assessment Time:					
Duty cycle:	☑ Continuous duty ☐ Intermi				□ 100% duty	
Equipment type:	✓ Produce	tion m	odel	☐ Pre-production model		
	Tmin:	□ -20°C □ 0°		:	☑ -10°C	
Operating temperature range:	Tnom: 20°C					
	Tmax:		□ 35°C	☐ 55°C		
Type of power source:	☐ AC power supply ☐ DC pov		er supply		☑ Battery	
Operating voltage range:			0V/50Hz			
	☐ Yes (The geographical location					
	determined by the equipment is not					
Geo-location capability:	accessible to the end user as defined in		☑ No			
	section 4.3.2.12.2 of ETSI EN 300 328					
	V2.1.1 standard)					

	CHANNEL PLAN					
Channel	Channel Frequency (MHz) Channel Frequency (MHz)					
Cmin: 0	2402	20	2442			
1	2404	21	2444			
2	2406	22	2446			
3	2408	23	2448			
4	2410	24	2450			
5	2412	25	2452			
6	2414	26	2454			
7	2416	27	2456			
8	2418	28	2458			
9	2420	29	2460			
10	2422	30	2462			
11	2424	31	2464			
12	2426	32	2466			
13	2428	33	2468			
14	2430	34	2470			
15	2432	35	2472			
16	2434	36	2474			
17	2436	37	2476			
18	2438	38	2478			
Cmid:19	2440	Cmax: 39	2480			

DATA RATE						
Data Rate (Mbps) Modulation Type Worst Case Modulation						
1	GFSK	☑				



LCIE SUD EST
Laboratoire de Moirans
Z.I. Centr'Alp
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38430 MOIRANS - FRANCE

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or ANSI C63.10, FCC Part 15 Subpart C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.4. Test facility

Tests have been performed from August 22, 2017 to September 8, 2017.

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4 and ANSI C63.10 (registration number 94821).

This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.