

# WatchBP O3 API Demo

# I. WatchBP O3 All Command

**Key:**

**Register the SDK**

**1** Step1. Check the device's version (12 16 18 3E) and confirm the communication. Please decode to enable other btn function.

Device Connected!

**2** Step2. Read the device's datetime (12 16 18 26)

**3** Step3. Send PC Datetime (12 16 18 27)

**4** Step4. Read casual data (12 16 18 28)

**5** Step5. Read diagnostic data (12 16 18 29)

**Step6. Read ABP data**

WH021 / WH022 / WH034 (12 16 18 30)

WH025 / WH035 / WH02C / WH02D / WH03C (12 16 18 40)

WH02C / WH02D / WH03C (12 16 18 41)

Step7. Read Memo data (12 16 18 31)

**Read SN**

SN

Step14. Read SN (12 16 18 F8)

**Read Device ID**

ID

Step15. Read Device ID (12 16 18 FA)

0000 06 35 37 34 38 33 30 33 32 33  
0010 35 30 38

WH025

**Set ID or Clear data**

ID:   
(ID should only contain alphanumeric characters)

Step9. Set ID (12 16 18 23)

**Clear Data**

Step10: Read ID (12 16 18 24) and decode

Step11: Clear data

**Read BPM setting**

Step13. Read BPM setting

**2 Schedule ABP setting**

	Period	Interval
Day	01	15
Night	22	15
Hi_infPressure	180	
Hide ABPM data	True	
Silent	True	

Step8. Read ABP setting (12 16 18 F2)

Step12. Send ABP setting

## Register the SDK

**watchBPO3Hid.InitWatchBPSDK(tb\_key.Text)**  
(API document 1.6.1.)

**1** **WriteCmd (WatchBPO3Hid.CmdEnum.RequestDeviceVer)**  
(API document 1.6.2.)

**2** **WriteCmd (WatchBPO3Hid.CmdEnum.ReadDeviceDateTime)**  
(API document 1.6.3.)

**3** **WriteCmd (WatchBPO3Hid.CmdEnum.SendPCDateTime)**  
(API document 1.6.4.)

**4** **WriteCmd (WatchBPO3Hid.CmdEnum.ReadCasualData)**  
(API document 1.6.5.)

**5** **WriteCmd (WatchBPO3Hid.CmdEnum.ReadDiagnosticData)**  
(API document 1.6.6.)

# I. WatchBP O3 All Command

**Key:**

Step1. Check the device's version (12 16 18 3E) and confirm the communication. Please decode to enable other btn function.

Device Connected!

Step2. Read the device's datetime (12 16 18 26)

Step3. Send PC Datetime (12 16 18 27)

Step4. Read casual data (12 16 18 28)

Step5. Read diagnostic data (12 16 18 29)

**Step6. Read ABP data**

WH021 / WH022 / WH034 (12 16 18 30)

WH025 / WH035 / WH02C / WH02D / WH03C (12 16 18 40)

WH02C / WH02D / WH03C (12 16 18 41)

Step7. Read Memo data (12 16 18 31)

**Read SN**

SN

Step14. Read SN (12 16 18 F8)

**Read Device ID**

ID

Step15. Read Device ID (12 16 18 FA)

0000 06 35 37 34 38 33 30 33 32 33  
0010 35 30 38

WH025

**Set ID or Clear data**

ID:   
(ID should only contain alphanumeric characters)

Step9. Set ID (12 16 18 23)

**Clear Data**

Step10. Read ID (12 16 18 24) and decode

Step11: Clear data

**Read BPM setting**

Step13. Read BPM setting

**2 Schedule ABP setting**

	Period	Interval
Day	<input type="text" value="01"/>	<input type="text" value="15"/>
Night	<input type="text" value="22"/>	<input type="text" value="15"/>
Hi_infPressure	<input type="text" value="180"/>	
Hide ABPM data	<input type="text" value="True"/>	
Silent	<input type="text" value="True"/>	

Step8. Read ABP setting (12 16 18 F2)

Step12. Send ABP setting

**6** WriteCmd (WatchBPO3Hid.CmdEnum.ReadABPData)  
(API document 1.6.7.)

**7** WriteCmd (WatchBPO3Hid.CmdEnum.ReadABPDataE315)  
(API document 1.6.8.)

**8** WriteCmd (WatchBPO3Hid.CmdEnum.  
ReadABPDataE315WithFormula\_MAP )  
(API document 1.6.9.)

**9** WriteCmd (WatchBPO3Hid.CmdEnum.ReadMemoData)  
(API document 1.6.10.)

**10** WriteCmd (WatchBPO3Hid.CmdEnum.ReadABPSetting)  
(API document 1.6.11.)

**11** SendIDAndClearData (tb\_id.Text, false, false, false, false)  
(API document 1.6.12.)

**12** WriteCmd (WatchBPO3Hid.CmdEnum.ReadID)  
(API document 1.6.13.)

# I. WatchBP O3 All Command

**13** SendIDAndClearData (tb\_id.Text, true, false, false, false)  
(API document 1.6.14.)

**14** SendIDAndClearData (tb\_id.Text, false, true, false, false)  
(API document 1.6.15.)

**15** SendIDAndClearData (tb\_id.Text, false, false, true, false)  
(API document 1.6.16.)

**16** SendIDAndClearData (tb\_id.Text, false, false, false, true)  
(API document 1.6.17.)

**17** SendIDAndClearData (tb\_id.Text, true, true, true, true)  
(API document 1.6.18.)

**18** SendABPSetting (abpSetting)  
(API document 1.6.19.)

**19** ReadBPMSetting (bpmSetting)  
(API document 1.6.20.)

# I. WatchBP O3 All Command

Key: **tb\_key** Check

Step1. Check the device's version (12 16 18 3E) and confirm the communication. Please decode to enable other btn function.

Device Connected!

Step2. Read the device's datetime (12 16 18 26)

Step3. Send PC Datetime (12 16 18 27)

Step4. Read casual data (12 16 18 28)

Step5. Read diagnostic data (12 16 18 29)

**Step6. Read ABP data**

WHO21 / WHO22 / WHO34 (12 16 18 30)

WHO25 / WHO35 / WHO2C / WHO2D / WHO3C (12 16 18 40)

WHO2C / WHO2D / WHO3C (12 16 18 41)

Step7. Read Memo data (12 16 18 31)

Read SN

SN

Step14. Read SN (12 16 18 F8)

Read Device ID

ID

Step15. Read Device ID (12 16 18 FA)

0000 06 35 37 34 38 33 30 33 32 33  
0010 35 30 38

WH025

**Set ID or Clear data**

ID: **tb\_id**  
(ID should only contain alphanumeric characters)

Step9. Set ID (12 16 18 23)

**Clear Data**

Step10: Read ID (12 16 18 24) and decode

Step11: Clear data

casual diagnostic memo abp all

**Read BPM setting**

Step13. Read BPM setting

**2 Schedule ABP setting**

	Period	Interval
Day	01	15
Night	22	15

Hi\_infPressure 180

Hide ABPM data True

Silent True

Step8. Read ABP setting (12 16 18 F2)

Step12. Send ABP setting

**20** WriteCmd(WatchBP03Hid.CmdEnum. ReadSerialNumber)  
(API document 1.6.21.)

**21** WriteCmd(WatchBP03Hid.CmdEnum.ReadDeviceID)(API document  
1.6.22.)

## II. WatchBP O3 Parser

Step.	Command	Parser	API Doc.
1.	Check the device's version	DeviceInfoParser.ParseDeviceName (byteAry, <a href="#">out</a> str)	5.3.1
2.	Read the device's datetime	DeviceInfoParse.ParseDeviceDateTime (byteAry, <a href="#">out</a> str)	5.3.3
4.	Read casual data	DataParser.ParseUsuData (byteAry, <a href="#">out</a> str)	6.4.1
5.	Read diagnostic data	DataParser.ParseDiagData (byteAry, <a href="#">out</a> dataLst)	6.4.2
6.	Read ABP data	DataParser.ParseABPData (byteAry, <a href="#">out</a> dataLst)	6.4.3
6.	Read ABP data with Oscillomet MAP	DataParser.ParseABPDataE315 (byteAry, <a href="#">out</a> dataLst)	6.4.3
6.	Read ABP data with Formula MAP	DataParser.ParseABPDataE315 (byteAry, <a href="#">out</a> dataLst)	6.4.3
7.	Read memo data	DataParser.ParseMemoData (byteAry, <a href="#">out</a> strLst)	6.4.4
8.	Read ABP setting	DataParser.ParseABPSetting(byteAry, <a href="#">out</a> abpSetting)	5.3.4
10.	Read ID	DeviceInfoParser.ParseDeviceID(byteAry, <a href="#">out</a> str)	5.3.2
13.	Read BPM setting	DataParser.ParseBPMSetting(byteAry, <a href="#">out</a> bpmSetting)	5.3.5
20.	Read SN	DataParser.ParseDeviceSerialNumber(byteAry, <a href="#">out</a> str)	5.3.6
21.	Read device's UUID	DeviceInfoParser.ParseDeviceUUID(byteAry, <a href="#">out</a> str)	5.3.7