

iWRAP firmware versions and supported features

	iWRAP 3.0.0 build 165	iWRAP 4.0.0 build 317	iWRAP 4.0.0 build 317	iWRAP 5.0.1 build 620 <i>Generic</i>	iWRAP 5.0.1 build 620 <i>Generic</i>	iWRAP 5.0.1 build 621 <i>Audio Source</i>	iWRAP 5.0.1 build 619 <i>iAP</i>	iWRAP 5.0.1 build 619 <i>iAP</i>	iWRAP 5.0.1 build 623 <i>aptX®</i>	iWRAP 5.0.1 build 624 <i>aptX® Source</i>	iWRAP 5.0.1 build 622 <i>CVC5</i>
Firmware ordering code											
Ordering code	AI3	AI4	AI4	AI5	AI5	AI5S	AI5IAP	AI5IAP	AI5-APT _X	AI5S-APT _X	CVC
Supported hardware											
WT32	Yes	-	Yes	-	Yes	Yes	-	Yes	Yes	Yes	Yes
WT41	Yes	Yes	-	Yes	-	-	Yes	-	-	-	-
WT11i	Yes	Yes	-	Yes	-	-	Yes	-	-	-	-
WT12	Yes	Yes	-	Yes	-	-	Yes	-	-	-	-
Bluetooth stack features											
Version	2.1 + EDR	2.1 + EDR	2.1 + EDR	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Secure Simple Pairing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Max connections	7	7	7	7	6	6	7	6	6	6	6
Host API	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands
Host interfaces	UART	UART	UART	UART	UART	UART	UART	UART	UART	UART	UART
Encryption	56-bits	56-bits	56-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits
Supported profiles											
SPP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OBEX OPP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OBEX FTP ⁽²⁾	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DUN ⁽³⁾	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HID ⁽⁴⁾	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	-	Yes
A2DP	Yes	-	Yes	-	A2DP sink	A2DP source	-	A2DP sink	A2DP sink	A2DP source	A2DP sink
HFP	Yes	Yes	Yes	Yes	Hands-free	Hands-free AG	Hands-free	Hands-free	Hands-free	Hands-free AG	Hands-free
HSP	Yes	Yes	Yes	Yes	Headset	Headset AG	Headset	Headset	Headset	Headset AG	Headset
AVRCP	Yes	-	Yes	-	Yes	Yes	-	Yes	Yes	Yes	Yes
PBAP ⁽⁵⁾	-	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	-	Yes
HDP	-	-	-	Yes	-	-	Yes	-	-	-	-
DI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAP ⁽⁷⁾	-	-	-	Yes	Yes	-	Yes	Yes	Yes	-	Yes
Apple iAP support ⁽⁶⁾	-	-	-	-	-	-	Yes	Yes	-	-	-
Over-the-Air configuration ^(*)	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-
BGIO ^(*)	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-	-
IEEE agents (for HDP)											
Blood pressure monitor	-	-	-	Yes	-	-	Yes	-	-	-	-
Blood glucose	-	-	-	Yes	-	-	Yes	-	-	-	-
Weight scale	-	-	-	Yes	-	-	Yes	-	-	-	-
Pulse oximeter	-	-	-	Yes	-	-	Yes	-	-	-	-
Thermometer	-	-	-	Yes	-	-	Yes	-	-	-	-
Audio features											
CVC echo cancellation ⁽⁺⁾	-	-	-	-	-	-	-	-	-	-	Yes
aptX audio codec ⁽⁺⁾	-	-	-	-	-	-	-	-	Yes	Yes	-
mSBC (Wide-Band Speech)	-	-	-	-	Yes	Yes	-	Yes	Yes	Yes	-
Bluetooth qualification											
QDID	13536	22414	22414	37931	37931	37931	37931	37931	37931	37931	37931

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	iWRAP 5.0.2 build 764 <i>Generic</i>	iWRAP 5.0.2 build 765 <i>Audio Source</i>	iWRAP 5.0.2 build 763 <i>iAP</i>	iWRAP 5.0.2 build 767 <i>aptX®</i>	iWRAP 5.0.2 build 768 <i>aptX® Source</i>	iWRAP 5.0.2 build 766 <i>CVC5</i>
Firmware ordering code						
Ordering code	AI5	AI5S	AI5IAP	AI5-APT _X	AI5S-APT _X	CVC
Supported hardware						
WT32	Yes	Yes	Yes	Yes	Yes	Yes
WT41	-	-	-	-	-	-
WT11i	-	-	-	-	-	-
WT12	-	-	-	-	-	-
Bluetooth stack features						
Version	3.0	3.0	3.0	3.0	3.0	3.0
Secure Simple Pairing	Yes	Yes	Yes	Yes	Yes	Yes
Max connections	6	6	6	6	6	6
Host API	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands
Host interfaces	UART	UART	UART	UART	UART	UART
Encryption	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits
Supported profiles						
SPP	Yes	Yes	Yes	Yes	Yes	Yes
OBEX OPP	Yes	Yes	Yes	Yes	Yes	Yes
OBEX FTP ²⁾	Yes	Yes	Yes	Yes	Yes	Yes
DUN ³⁾	Yes	Yes	Yes	Yes	Yes	Yes
HID ⁴⁾	Yes	-	Yes	Yes	-	-
A2DP	A2DP sink	A2DP source	A2DP sink	A2DP sink	A2DP source	A2DP sink
HFP	Hands-free	Hands-free AG	Hands-free	Hands-free	Hands-free AG	Hands-free
HSP	Headset	Headset AG	-	Headset	Headset AG	Headset
AVRCP	Yes	Yes	Yes	Yes	Yes	Yes
PBAP ⁵⁾	Yes	-	Yes	Yes	-	Yes
HDP	-	-	-	-	-	-
DI	Yes	Yes	Yes	Yes	Yes	Yes
MAP ⁷⁾	Yes	-	Yes	Yes	-	Yes
Apple iAP support ⁶⁾	-	-	Yes	-	-	-
Over-the-Air configuration ^{*)}	Yes	-	-	-	-	-
BGIO ^{*)}	Yes	-	-	-	-	-
IEEE agents (for HDP)						
Blood pressure monitor	-	-	-	-	-	-
Blood glucose	-	-	-	-	-	-
Weight scale	-	-	-	-	-	-
Pulse oximeter	-	-	-	-	-	-
Thermometer	-	-	-	-	-	-
Audio features						
CVC echo cancellation ⁺⁾	-	-	-	-	-	Yes
aptX audio codec ⁺⁾	-	-	-	Yes	Yes	-
mSBC (Wide-Band Speech)	Yes	Yes	Yes	Yes	Yes	-
Bluetooth qualification						
QDID	37931	37931	37931	37931	37931	37931

- 1) OPP server only
- 2) FTP client only
- 3) DUN terminal only
- 4) HID device only
- 5) PBAP client only

- 6) Delivered only to Apple MFi licensees. Please contact support@bluegiga.com
 - 7) MAP client only
 - *) Bluegiga proprietary profiles
 - +) Requires an extra license. Please contact sales@bluegiga.com
- For any other firmware version contact : sales@bluegiga.com

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	iWRAP 5.5.0 <i>Generic</i>	iWRAP 5.5.0 <i>iAP</i>	iWRAP 6.0.0 <i>Generic</i>	iWRAP 6.0.0 <i>iAP</i>	iWRAP 6.0.0 <i>aptX®</i>
Firmware ordering code					
Ordering code	AI55	AI55IAP	AI6	AI6IAP	AI6-APTX
Supported hardware					
WT32i	-	-	Yes	Yes	Yes
WT41	Yes	Yes	-	-	-
WT11i	Yes	Yes	-	-	-
WT12	Yes	Yes	-	-	-
Bluetooth stack features					
Version	3.0	3.0	3.0	3.0	3.0
Secure Simple Pairing	Yes	Yes	Yes	Yes	Yes
Max connections	7	7	6	6	6
Host API	ASCII commands	ASCII commands	ASCII commands	ASCII commands	ASCII commands
Host interfaces	UART	UART	UART	UART	UART
Encryption	56/128-bits	56/128-bits	56/128-bits	56/128-bits	56/128-bits
Supported profiles					
SPP	Yes	Yes	Yes	Yes	Yes
OBEX OPP	Yes	Yes	Yes	Yes	Yes
OBEX FTP ²⁾	Yes	Yes	Yes	Yes	Yes
DUN ³⁾	Yes	Yes	Yes	Yes	Yes
HID ⁴⁾	Yes	Yes	Yes	Yes	Yes
A2DP	-	-	Yes	Yes	Yes
HFP	Yes	Hands-free	Yes	Hands-free	Yes
HSP	Yes	-	Yes	Yes	Yes
AVRCP	-	-	Yes	Yes	Yes
PBAP ⁵⁾	Yes	Yes	Yes	Yes	Yes
HDP	Yes	-	Yes	-	-
DI	Yes	Yes	Yes	Yes	Yes
MAP ⁷⁾	Yes	Yes	Yes	Yes	Yes
Apple iAP support ⁶⁾	-	iAP1 and iAP2	-	iAP1 and iAP2	-
Over-the-Air configuration ^{*)}	Yes	Yes	Yes	Yes	Yes
BGIO ^{*)}	Yes	Yes	Yes	Yes	Yes
IEEE agents (for HDP)					
Blood pressure monitor	Yes	-	Yes	-	-
Blood glucose	Yes	-	Yes	-	-
Weight scale	Yes	-	Yes	-	-
Pulse oximeter	Yes	-	Yes	-	-
Thermometer	Yes	-	Yes	-	-
Audio features					
CVC echo cancellation ⁺⁾	-	-	-	-	-
aptX audio codec ⁺⁾	-	-	-	-	Yes
AAC audio codec ⁺⁾	-	-	Yes	Yes	Yes
mSBC (Wide-Band Speech)	-	-	Yes	Yes	Yes
Bluetooth qualification					
QDID	37931	37931	TBD	TBD	TBD

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