

COAPT[®]
GEN 2



ESPIRE CLASSIC PLUS
+ COAPT (V 1.2)

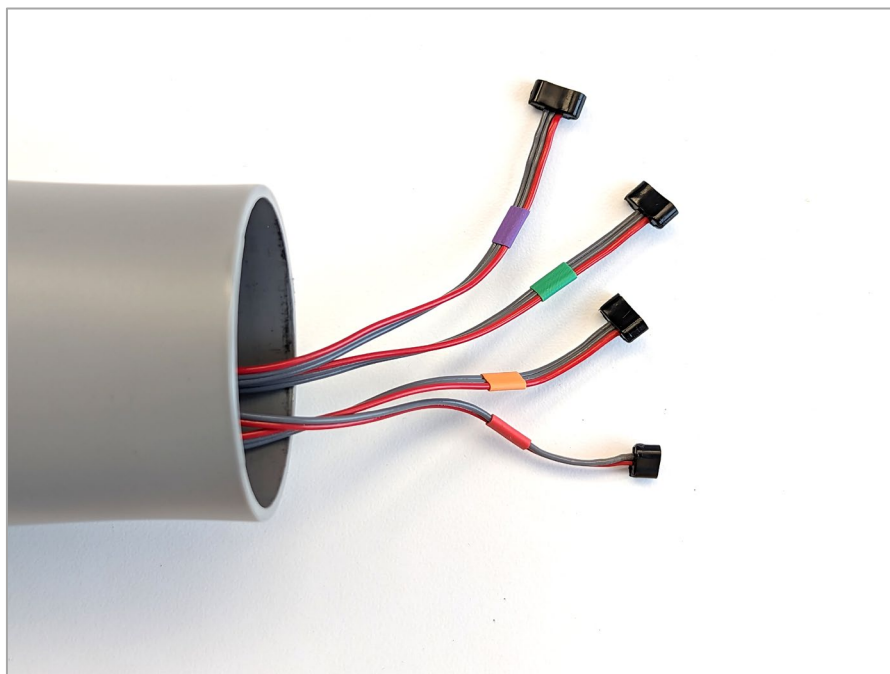
COMPATIBILITIES
GUIDE

CONTENTS

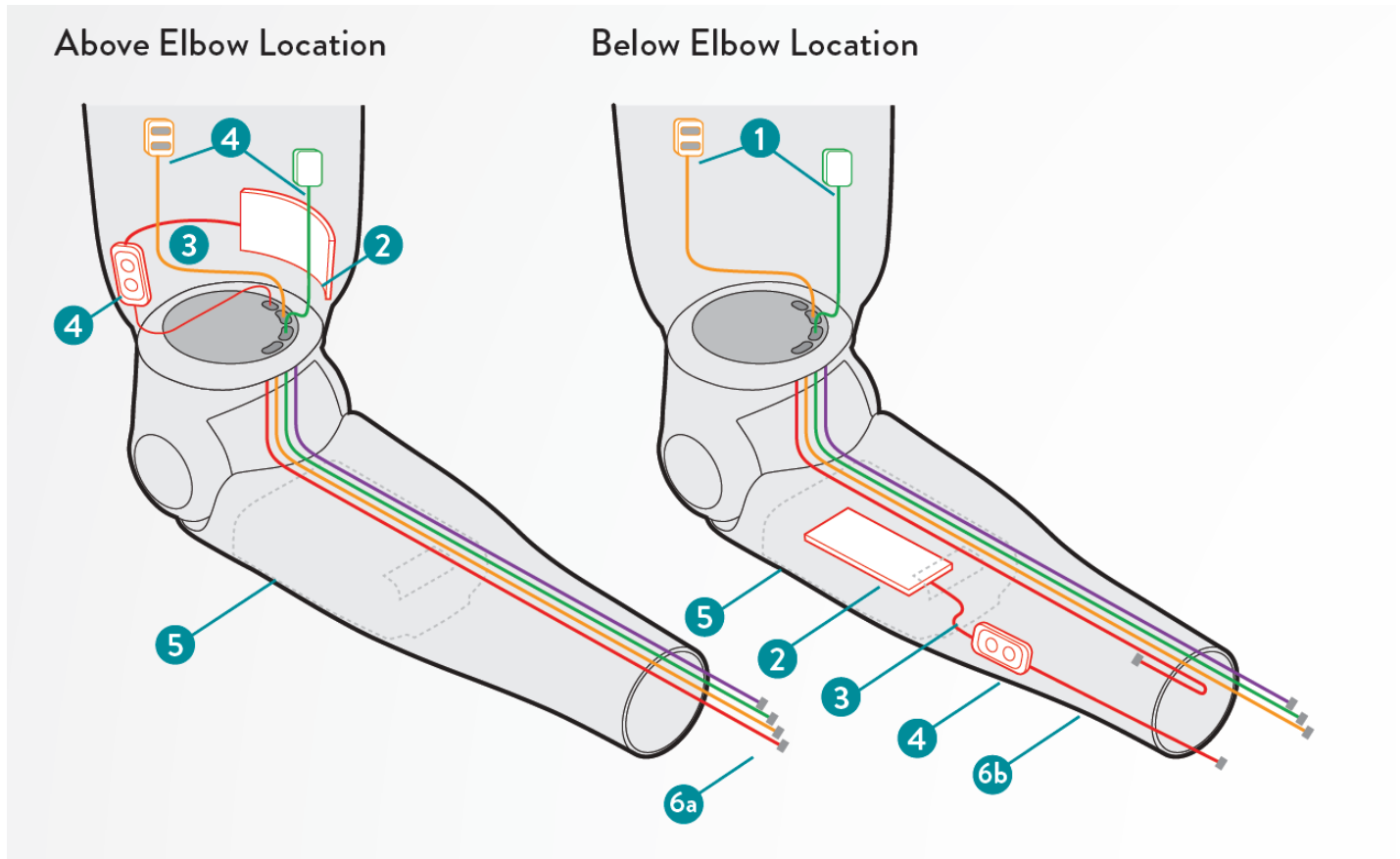
CONTENTS.....	1
CONTEXT.....	2
CONNECTIONS GUIDE	4
REFERENCE IMAGES	5

CONTEXT

- The Espire Classic Plus is a manually operated locking, hybrid prosthetic elbow.
 - It has no electronics or "smarts" of its own.
- The Espire Classic Plus has 4 pass-through cable connections that are independent from the proximal elbow plate to the distal elbow exit.
 - Three of these pathways are traditional "3-pin" connections.
 - One of these pathways is a traditional "2-pin" connection.



- There is no intrinsic battery with the Espire Classic Plus and there are two options for placing an external battery: An "Above Elbow Location" and a "Below Elbow Location". The Espire Classic Plus user manual has depictions of this.



- Coapt configurations compatible with Espire Classic Plus are from the set of Coapt possibilities intended for transradial device configurations. That is, commonly, "H" or "I" Coapt profiles. However, there are important distinctions when considering Coapt configurations compatible with the Espire Classic Plus:
 - Not all "H" or "I" Coapt profiles are compatible. The information below outlines the possibilities and limitations.
 - Certain "H" or "I" Coapt profiles are compatible only when the battery used is in the "Below Elbow" space. The information below outlines the possibilities and limitations.
 - Cable connections for these compatibilities are unique and specific and may differ from what is depicted on a corresponding Connections Guide for any "H" or "I" Coapt profile. The information below outlines the specifics.
 - In a few configuration cases, mixed use of 3-pin and 2-pin connections is required. The information below outlines the specifics.

CONNECTIONS GUIDE

Find your planned hand, wrist, and battery placement configuration in the following table and then navigate to the corresponding Reference Image presented later in this document.

NON-MULTIFUNCTION HANDS

ANY (OPEN/CLOSE ONLY)				
Wrist Option	Placing Battery BELOW the Elbow		Placing Battery ABOVE the Elbow	
	Coapt Device Cable Type	Reference Image	Coapt Device Cable Type	Reference Image
No powered rotator, 4-band coaxial plug	H0	A	H0	B
Ottobock Standard	I0	C	I0	D
Fillauer Motion Control Standard	I0	E	I0	F

MULTIFUNCTION HANDS

I-LIMB QUANTUM, VINCENT EVOLUTION3/4				
Wrist Option	Placing Battery BELOW the Elbow		Placing Battery ABOVE the Elbow	
	Coapt Device Cable Type	Reference Image	Coapt Device Cable Type	Reference Image
No powered rotator, 4-band coaxial plug	H1	A	H1	B
Ottobock Standard	I3	C	I3	D
Fillauer Motion Control Standard	I3	E	I3	F

OTTOBOCK BEBIONIC (NEWER STYLE)				
Wrist Option	Placing Battery BELOW the Elbow		Placing Battery ABOVE the Elbow	
	Coapt Device Cable Type	Reference Image	Coapt Device Cable Type	Reference Image
No powered rotator, 4-band coaxial plug	H3	A	H3	B
Ottobock Standard	I7	C	I7	D
Fillauer Motion Control Standard	I7	E	I7	F

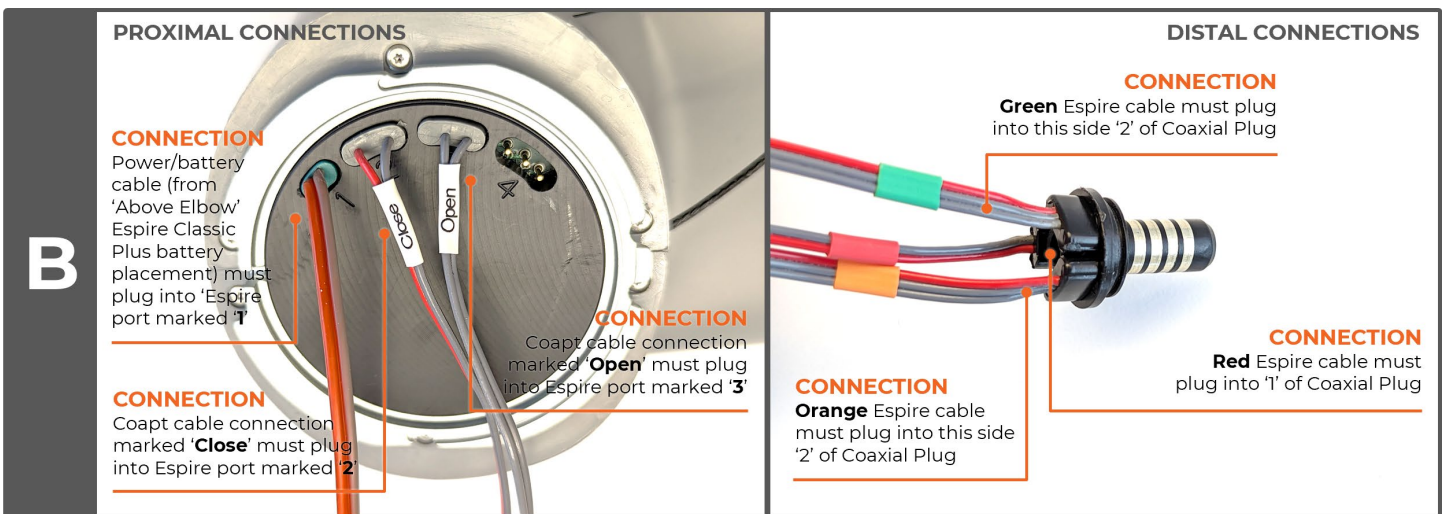
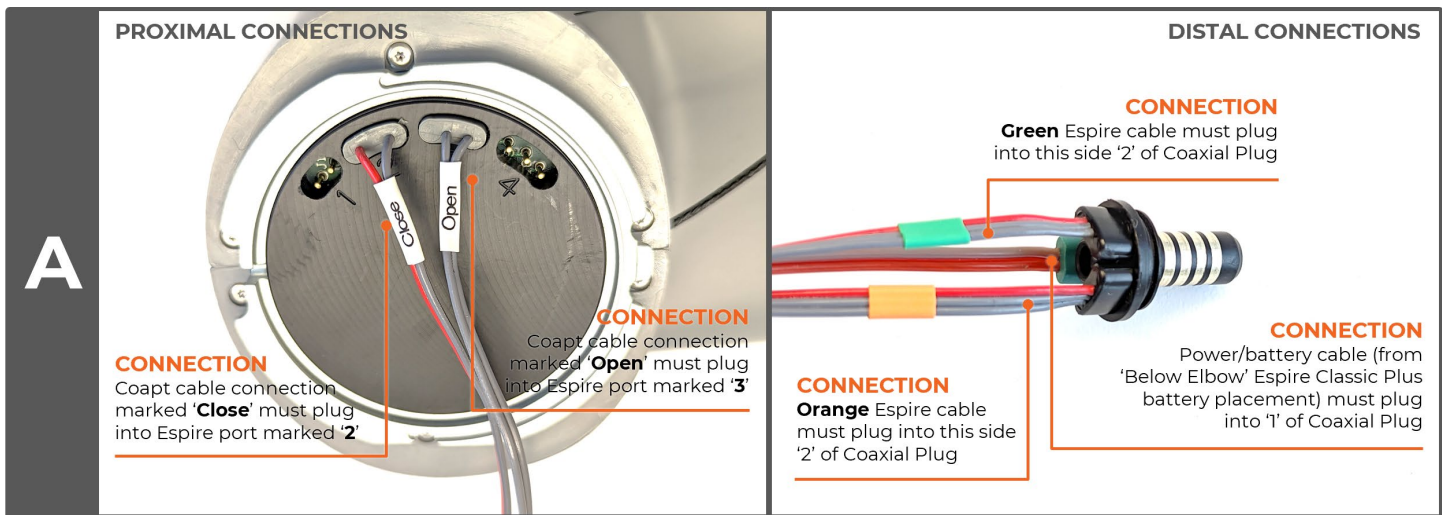
TASKA, COVVI, ZEUS, PSYONIC, BEBIONIC (OLDER STYLE)				
Wrist Option	Placing Battery BELOW the Elbow		Placing Battery ABOVE the Elbow	
	Coapt Device Cable Type	Reference Image	Coapt Device Cable Type	Reference Image
No powered rotator, 6-band coaxial plug	H2	G	NOT ADVISED*	
Fillauer Motion Control Standard with 6-band coaxial plug addition	I4	H	NOT POSSIBLE	

TASKA CX				
Wrist Option	Placing Battery BELOW the Elbow		Placing Battery ABOVE the Elbow	
	Coapt Device Cable Type	Reference Image	Coapt Device Cable Type	Reference Image
No powered rotator, 6-band coaxial plug	H2	I	NOT ADVISED*	
Fillauer Motion Control Standard with 6-band coaxial plug addition	I4	J	NOT POSSIBLE	

* only possible upon irreversible modification to the purple distal connector of Espire Classic Plus

REFERENCE IMAGES

Find your planned hand, wrist, and battery placement configuration in the table above and then navigate to the corresponding Reference Image here.



PROXIMAL CONNECTIONS

CONNECTION
Coapt cable connection marked '**Rotate**' must plug into Espire port marked '**4**'*

CONNECTION
Coapt cable connection marked '**Close**' must plug into Espire port marked '**2**'

CONNECTION
Coapt cable connection marked '**Open**' must plug into Espire port marked '**3**'

*Plug 2-pin cable into 3-pin port using the 2 left-most pins (the 3rd pin will not be connected)

DISTAL CONNECTIONS

CONNECTION
Power/battery cable (from 'Below Elbow' Espire Classic Plus battery placement) must plug into '1' of wrist

CONNECTION
Orange Espire cable must plug into this side '2' of wrist

CONNECTION
Green Espire cable must plug into this side '2' of wrist

CONNECTION
Purple Espire cable must plug into wrist port marked '3**'

**Plug 3-pin cable into 2-pin port using the 2 left-most holes of the connector.

PROXIMAL CONNECTIONS

CONNECTION
Coapt cable connection marked '**Rotate**' must plug into Espire port marked '**4**'*

CONNECTION
Power/battery cable (from 'Above Elbow' Espire Classic Plus battery placement) must plug into 'Espire' port marked '**1**'

CONNECTION
Coapt cable connection marked '**Close**' must plug into Espire port marked '**2**'

CONNECTION
Coapt cable connection marked '**Open**' must plug into Espire port marked '**3**'

*Plug 2-pin cable into 3-pin port using the 2 left-most pins (the 3rd pin will not be connected)

DISTAL CONNECTIONS

CONNECTION
Red Espire cable must plug into '1' of wrist

CONNECTION
Orange Espire cable must plug into this side '2' of wrist

CONNECTION
Green Espire cable must plug into this side '2' of wrist

CONNECTION
Purple Espire cable must plug into wrist port marked '3**'

**Plug 3-pin cable into 2-pin port using the 2 left-most holes of the connector.

PROXIMAL CONNECTIONS

CONNECTION
Coapt cable connection marked '**Rotate**' must plug into Espire port marked '**4**'*

CONNECTION
Coapt cable connection marked '**Close**' must plug into Espire port marked '**2**'

CONNECTION
Coapt cable connection marked '**Open**' must plug into Espire port marked '**3**'

*Plug 2-pin cable into 3-pin port using the 2 left-most pins (the 3rd pin will not be connected)

DISTAL CONNECTIONS

CONNECTION
Orange Espire cable must plug into 'CH-A' of wrist

CONNECTION
Purple Espire cable must plug into wrist port marked 'Wrist**'

CONNECTION
Green Espire cable must plug into 'CH-B' of wrist

CONNECTION
Power/battery cable (from 'Below Elbow' Espire Classic Plus battery placement) must plug into wrist port marked 'HAND'

**Plug 3-pin cable into 2-pin port using the 2 left-most holes of the connector.

PROXIMAL CONNECTIONS

CONNECTION
Power/battery cable (from 'Above Elbow' Espire Classic Plus battery placement) must plug into Espire port marked '1'

CONNECTION
Coapt cable connection marked 'Close' must plug into Espire port marked '2'

CONNECTION
Coapt cable connection marked 'Open' must plug into Espire port marked '3'

CONNECTION
Coapt cable connection marked 'Rotate' must plug into Espire port marked '4'

**Plug 2-pin cable into 3-pin port using the 2 left-most pins (the 3rd pin will not be connected)*

DISTAL CONNECTIONS

CONNECTION
Orange Espire cable must plug into 'CH-A' of wrist

CONNECTION
Purple Espire cable must plug into wrist port marked 'WRIST'

CONNECTION
Green Espire cable must plug into 'CH-B' of wrist

CONNECTION
Red Espire cable must plug into wrist port marked 'HAND'

***Plug 3-pin cable into 2-pin port using the 2 left-most holes of the connector.*

PROXIMAL CONNECTIONS

CONNECTION
Coapt cable connection marked 'Digital' must plug into Espire port marked '1'

CONNECTION
Coapt cable connection marked 'Close' must plug into Espire port marked '2'

CONNECTION
Coapt cable connection marked 'Open' must plug into Espire port marked '3'

DISTAL CONNECTIONS

CONNECTION
Green Espire cable must plug into this side '2' of Coaxial Plug

CONNECTION
Red Espire cable must plug into 'A' of Coaxial Plug

CONNECTION
Power/battery cable (from 'Below Elbow' Espire Classic Plus battery placement) must plug into '1' of Coaxial Plug

CONNECTION
Orange Espire cable must plug into this side '2' of Coaxial Plug

PROXIMAL CONNECTIONS

CONNECTION
Coapt cable connection marked 'Digital' must plug into Espire port marked '1'

CONNECTION
Coapt cable connection marked 'Close' must plug into Espire port marked '2'

CONNECTION
Coapt cable connection marked 'Open' must plug into Espire port marked '3'

CONNECTION
Coapt cable connection marked 'Rotate' must plug into Espire port marked '4'

**Plug 2-pin cable into 3-pin port using the 2 left-most pins (the 3rd pin will not be connected)*

DISTAL CONNECTIONS

CONNECTION
Orange Espire cable must plug into 'CH-A' of wrist

CONNECTION
Purple Espire cable must plug into wrist port marked 'WRIST'

CONNECTION
Red Espire cable must plug into 'COAPT' of wrist

CONNECTION
Green Espire cable must plug into 'CH-B' of wrist

CONNECTION
Power/battery cable (from 'Below Elbow' Espire Classic Plus battery placement) must plug into wrist port marked 'HAND'

***Plug 3-pin cable into 2-pin port using the 2 left-most holes of the connector.*

PROXIMAL CONNECTIONS

CONNECTION
Coapt cable connection marked **'Digital'** must plug into Espire port marked **'1'**

CONNECTION
Coapt cable connection marked **'Close'** must plug into Espire port marked **'2'**

CONNECTION
Coapt cable connection marked **'Open'** must plug into Espire port marked **'3'**

DISTAL CONNECTIONS

CONNECTION
Power/battery cable (from 'Below Elbow' Espire Classic Plus battery placement) must plug into '1' of Coaxial Plug (not shown)

CONNECTION
Purple Espire cable remains unplugged

CONNECTION (not shown)
Coapt Adapter cables marked 'Digital', 'Open', and 'Close' must plug into 'A', left side '2', and right side '2' of Coaxial Plug, respectively

CONNECTION
Orange, Red, and Green Espire cables must plug into 'OPEN', 'DIGITAL', and 'CLOSE' of the Adapter, respectively

PROXIMAL CONNECTIONS

CONNECTION
Coapt cable connection marked **'Digital'** must plug into Espire port marked **'1'**

CONNECTION
Coapt cable connection marked **'Close'** must plug into Espire port marked **'2'**

CONNECTION
Coapt cable connection marked **'Open'** must plug into Espire port marked **'3'**

CONNECTION
Coapt cable connection marked **'Rotate'** must plug into Espire port marked **'4'***
*Plug 2-pin cable into 3-pin port using the 2 left-most pins (the 3rd pin will not be connected)

DISTAL CONNECTIONS

CONNECTION
Orange, Red, and Green Espire cables must plug into 'OPEN', 'DIGITAL', and 'CLOSE' of the Adapter, respectively

CONNECTION
Purple Espire cable must plug into wrist port marked **'WRIST'****
**Plug 3-pin cable into 2-pin port using the 2 left-most holes of the connector.

CONNECTION
Power/battery cable (from 'Below Elbow' Espire Classic Plus battery placement) must plug into wrist port marked **'HAND'**

CONNECTION
Coapt Adapter cables marked 'Digital', 'Open', and 'Close' must plug into wrist ports marked **'COAPT'**, **'CH-A'**, and **'CH-B'**, respectively

COAPT

303 W. Institute Place., Suite 200 | Chicago, IL 60610 | 844.262.7800
www.coaptengineering.com | © 2024