

# Sub-6 GHz Antennas

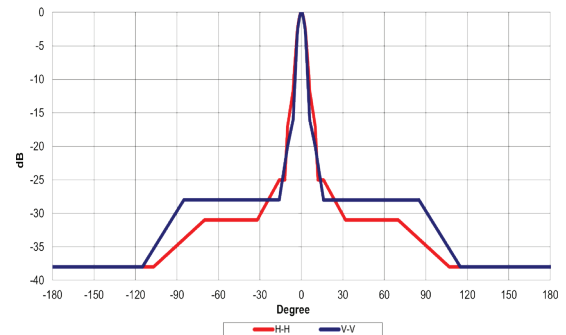
## Parabolic and Sector Antenna Selection Guide

### PTP Parabolic



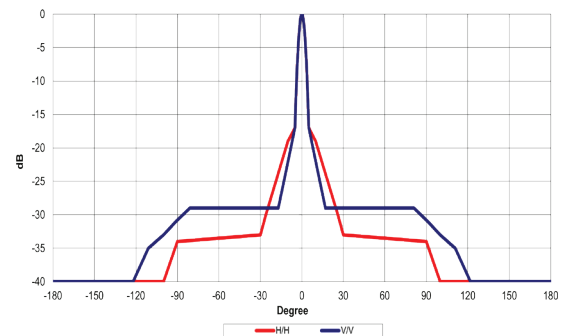
#### N050067D017A

Dish Size: 0.6 m (2 ft)  
Frequency: 5.25–5.85 GHz  
Gain: 29.5 dBi  
Polarity: Single  
Connector: N-Type Female  
Mounting Brackets: Included



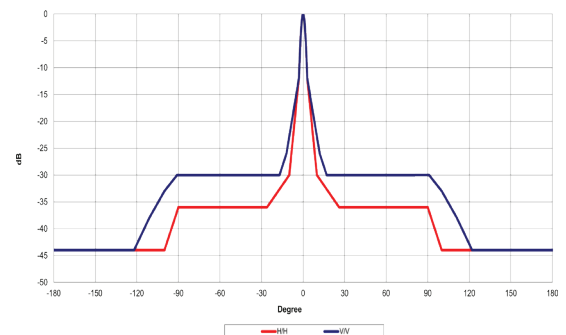
#### RDH4513B

Dish Size: 0.9 m (3 ft)  
Frequency: 5.25–5.85 GHz  
Gain: 33 dBi  
Polarity: Single  
Connector: N-Type Female  
Mounting Brackets: Included



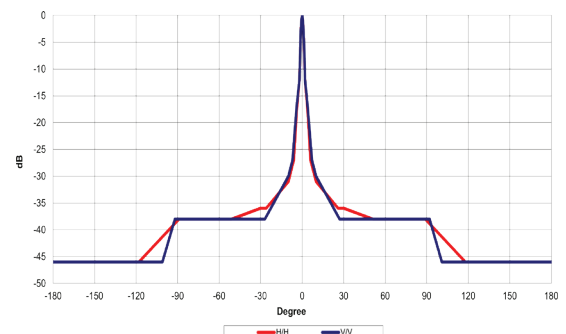
#### N050067D018A

Dish Size: 1.2 m (4 ft)  
Frequency: 5.25–5.85 GHz  
Gain: 35.4 dBi  
Polarity: Single  
Connector: N-Type Female  
Mounting Brackets: Included



#### N050067D019A

Dish Size: 1.8 m (6 ft)  
Frequency: 5.25–5.85 GHz  
Gain: 38.4 dBi  
Polarity: Single  
Connector: N-Type Female  
Mounting Brackets: Included



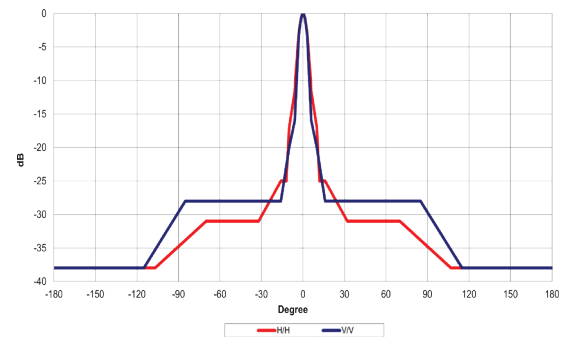
## Parabolic and Sector Antenna Selection Guide

### PTP Parabolic



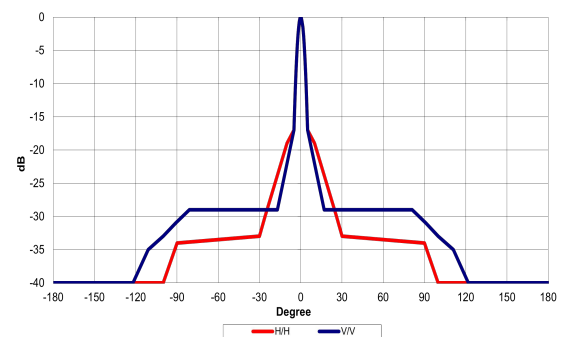
#### RDH4503C

Dish Size: 0.6 m (2 ft)  
Frequency: 4.9-6 GHz  
Gain: 29.8 dBi  
Polarity: Single  
Connector: 2 x N-type Connector  
Mounting Brackets: Included



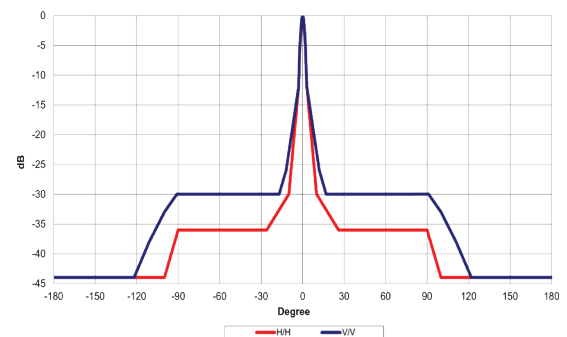
#### RDH4504C

Dish Size: 0.9 m (3ft)  
Frequency: 4.9-6 GHz  
Gain: 33 dBi  
Polarity: Single  
Connector: 2 x N-type Connector  
Mounting Brackets: Included



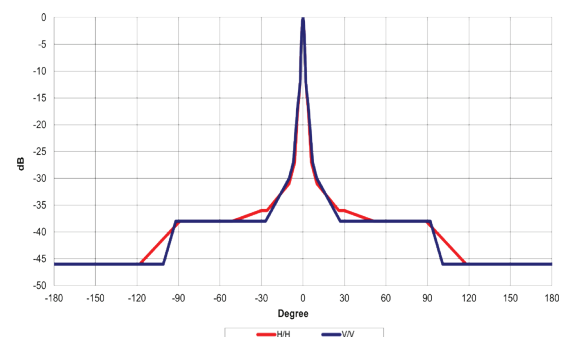
#### RDH4505C

Dish Size: 1.2 m (4 ft)  
Frequency: 4.9-6 GHz  
Gain: 35.4 dBi  
Polarity: Dual  
Connector: 2 x N-type Connector  
Mounting Brackets: Included



#### RDH4506C

Dish Size: 1.8 m (6 ft)  
Frequency: 4.9-6 GHz  
Gain: 38.4 dBi  
Polarity: Dual  
Connector: 2 x N-type Connector  
Mounting Brackets: Included



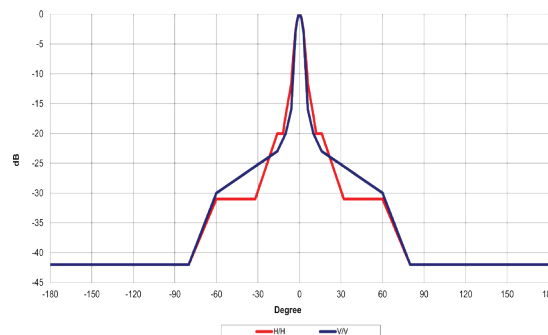
## Parabolic and Sector Antenna Selection Guide

### PTP Parabolic



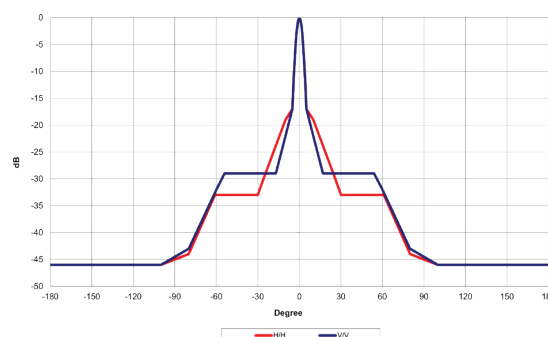
#### RDH4508C

Dish Size: 0.6 m (2 ft)  
Frequency: 4.9-6 GHz  
Gain: 29.3 dBi  
Polarity: Dual  
Connector: 2 x N-type Connector  
Mounting Brackets: Included



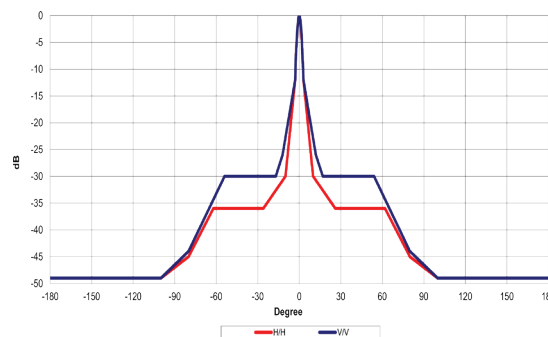
#### RDH4509C

Dish Size: 0.9 m (3ft)  
Frequency: 4.9-6 GHz  
Gain: 32.8 dBi  
Polarity: Dual  
Connector: 2 x N-type Connector  
Mounting Brackets: Included



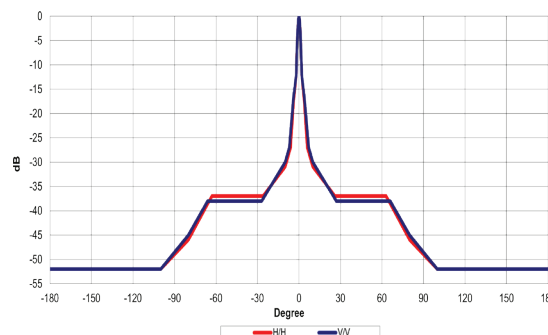
#### RDH4510C

Dish Size: 1.2 m (4 ft)  
Frequency: 4.9-6 GHz  
Gain: 34.7 dBi  
Polarity: Dual  
Connector: 2 x N-type Connector  
Mounting Brackets: Included



#### RDH4511C

Dish Size: 1.8 m (6 ft)  
Frequency: 4.9-6 GHz  
Gain: 38.2 dBi  
Polarity: Dual  
Connector: 2 x N-type Connector  
Mounting Brackets: Included



## Parabolic and Sector Antenna Selection Guide

### PTP Parabolic

	<b>N050067D017A</b>	<b>RDH4503C</b>	<b>RDH4508C</b>
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	0.6 m (2 ft)	0.6 m (2 ft)	0.6 m (2 ft)
Gain	29.5 dBi	29.8 dBi	29.3 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	6.1°	6.2°	6.1°
Polarization	Single	Single	Dual
F/B	38 dB	38 dB	44 dB
VSWR	1.5:1	1.5:1	1.5:1

	<b>RDH4513B</b>	<b>RDH4504C</b>	<b>RDH4509C</b>
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	0.9 m (3 ft)	0.9 m (3 ft)	0.9 m (3 ft)
Gain	33 dBi	33 dBi	32.8 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	4.2°	4.2°	4.2°
Polarization	Single	Dual	Dual
F/B	40 dB	40 dB	46 dB
VSWR	1.5:1	1.5:1	1.5:1

	<b>N050067D018A</b>	<b>RDH4505C</b>	<b>RDH4510C</b>
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	1.2 m (4 ft)	1.2 m (4 ft)	1.2 m (4 ft)
Gain	35.4 dBi	35.4 dBi	34.7 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	3°	3.1°	3°
Polarization	Single	Dual	Dual
F/B	44 dB	44 dB	49 dB
VSWR	1.5:1	1.5:1	1.5:1

	<b>N050067D019A</b>	<b>RDH4506C</b>	<b>RDH4511C</b>
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	1.8 m (6 ft)	1.8 m (6 ft)	1.8 m (6 ft)
Gain	38.4 dBi	38.4 dBi	38.2 dBi
Operating Frequency	5.25-5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	2°	2.1°	2°
Polarization	Single	Dual	Dual
F/B	46 dB	46 dB	52 dB
VSWR	1.5:1	1.5:1	1.5:1

## Parabolic and Sector Antenna Selection Guide

### PMP SECTOR



#### 85009324001

Dimensions: 57h x 14.6w x 6.4d

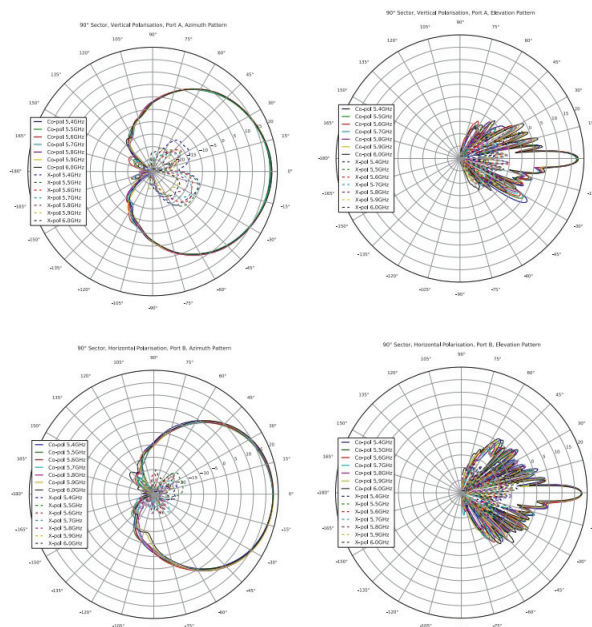
Frequency: 5.4-6.0 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



#### C050900D025A

Dimensions: 30.5h x 21.5w x 23.1d

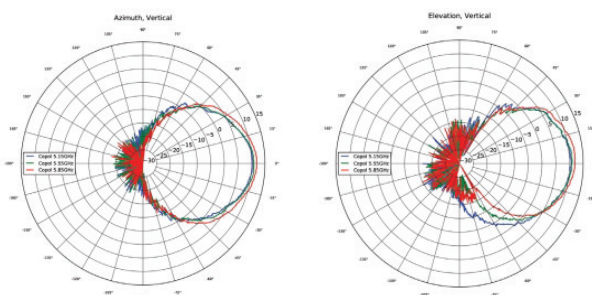
Frequency: 5100 - 6100 MHz

Gain: 12 dBi

Polarity: Dual

Connector: 4x RP SMA

Mounting Brackets: Included



	85009324001	C050900D025A
Antenna Type	Sector	Sector
Dimensions	57h x 14.6w x 6.4d	30.5h x 21.5w x 23.1d
Gain	17dBi	12 dBi
Operating Frequency	5.4-6.0 GHz	5100 - 6100 MHz
3 dB Beamwidth	Azimuth 65°, -Elevation 6°	Azimuth 60°
Polarization	Dual	Dual
F/B	V-pol>32 dB, H-pol>35 dB	28 dB
VSWR	1.5:1	2.0:1

## Parabolic and Sector Antenna Selection Guide

### PMP SECTOR



#### **C050910D301A**

Dimensions: 59.4h x 15.7w x 11d

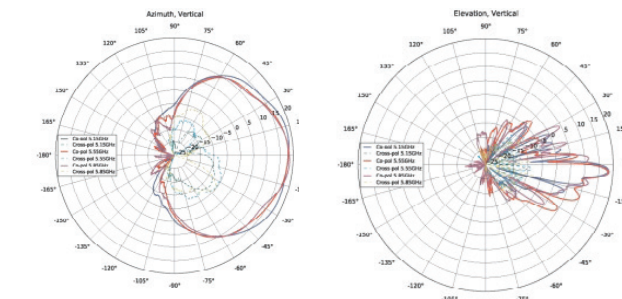
Frequency: 4.9 to 5.9 GHz

Gain: 17dBi

Polarity: Dual

Connector: 4x RP SMA

Mounting Brackets: Included



#### **C050900D021B**

Dimensions: 59.4h x 15.7w x 11d

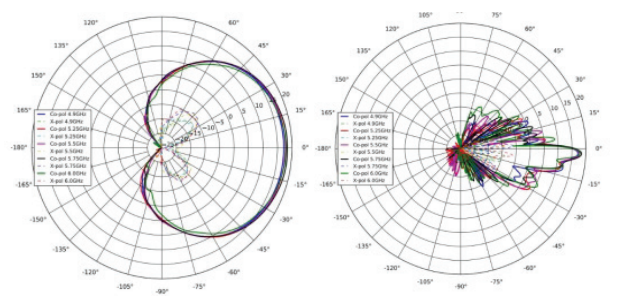
Frequency: 5 GHz

Gain: 18 dBi

Polarity: Dual

Connector: 2x RP SMA

Mounting Brackets: Included



#### **C050000D004**

Dimensions: 59.4h x 15.7w x 11d

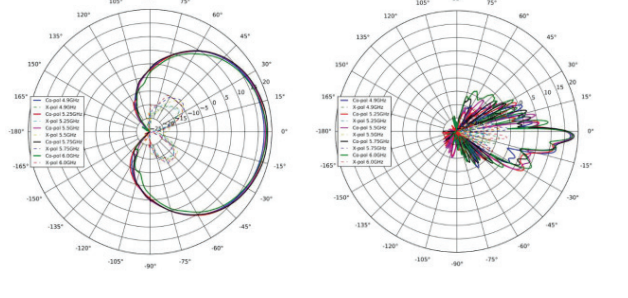
Frequency: 4.9 to 5.9 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



	<b>C050910D301A</b>	<b>C050900D021B</b>	<b>C050000D004</b>
<b>Antenna Type</b>	Sector	Sector	Sector
<b>Dimensions</b>	59.4h x 15.7w x 11d	59.4h x 15.7w x 11d	59.4h x 15.7w x 11d
<b>Gain</b>	17dBi	18 dBi	17dBi
<b>Operating Frequency</b>	4.9 to 5.9 GHz	5 GHz	4.9 to 5.9 GHz
<b>3 dB Beamwidth</b>	Azimuth 70°, Elevation 6°	Azimuth 90°, Elevation 6°	Azimuth 90°, Elevation 6°
<b>Polarization</b>	Dual	Dual	Dual
<b>F/B</b>		35 dB	35 dB
<b>VSWR</b>	2.0:1	2.0:1	2.0:1



# Parabolic and Sector Antenna Selection Guide

## PMP SECTOR



### C030045D901A

Dimensions: 71.5h x 12.3w x 6.8d

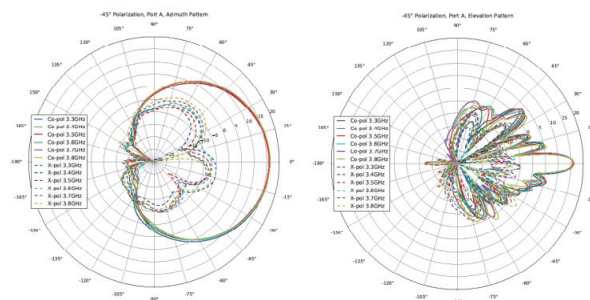
Frequency: 3.3-3.8 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



### C024900D004A

Dimensions: 82.7h x 16.1w x 5.9d

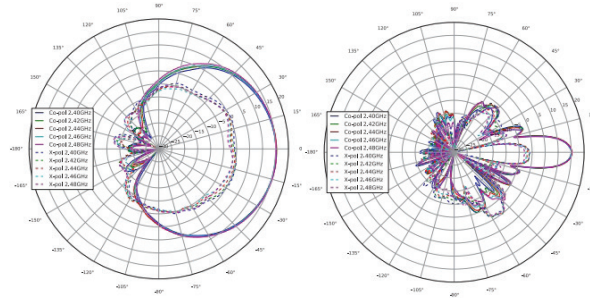
Frequency: 2.4 GHz

Gain: 15 dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



### N009045D001A

Dimensions: 88L x 28.8w x 13.2h

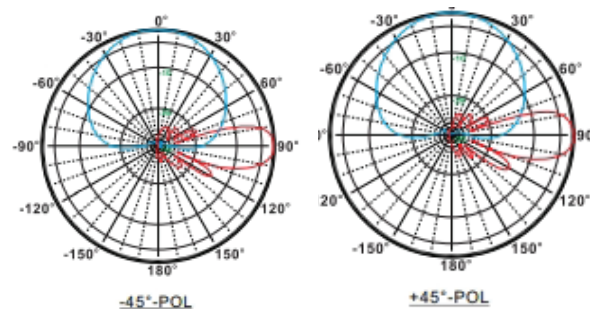
Frequency: 900 MHz

Gain: 13 dBi

Polarity: Dual

Connector: 2-Type N Female

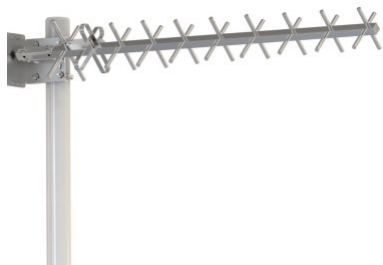
Mounting Brackets: Included



	C030045D901A	C024900D004A	N009045D001A
Antenna Type	Sector	Sector	Sector
Dimensions	71.5h x 12.3w x 6.8d	82.7h x 16.1w x 5.9d	88L x 28.8w x 13.2h
Gain	17dBi	15 dBi	13 dBi
Operating Frequency	3.3-3.8 GHz	2.4 GHz	900 MHz
3 dB Beamwidth	Azimuth 65°, -Elevation 7°	Azimuth 90°, Elevation 11°	Azimuth 65°, Elevation 23°
Polarization	Dual	Dual	Dual
F/B	> 35 dB, 180 ± 30°	30 dB	30dB
VSWR	1.5:1	1.7:1	1.7:1

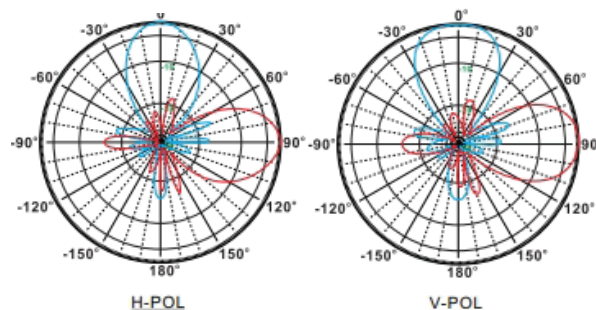
## Parabolic and Sector Antenna Selection Guide

### PMP SECTOR



#### N009045D003A

Dimensions: 105.6L  
 Frequency: 900 MHz  
 Gain: 12 dBi  
 Polarity: Dual  
 Connector: 2x RP SMA Male  
 Mounting Brackets: Included



	N009045D003A
Antenna Type	Sector
Dimensions	105.6L
Gain	12 dBi
Operating Frequency	900 MHz
3 dB Beamwidth	Azimuth 45°
Polarization	Dual
F/B	50 dB
VSWR	1.7:1

### ABOUT CAMBIUM NETWORKS

Cambium Networks empowers millions of people with wireless connectivity worldwide. Its wireless portfolio is used by commercial and government network operators as well as broadband service providers to connect people, places and things. With a single network architecture spanning fixed wireless and Wi-Fi, Cambium Networks enables operators to achieve maximum performance with minimal spectrum. End-to-end cloud management transforms networks into dynamic environments that evolve to meet changing needs with minimal physical human intervention. Cambium Networks empowers a growing ecosystem of partners who design and deliver gigabit wireless solutions that just work.