

Shakespeare®



NEW MARINE PRODUCTS
2016



About Us

Shakespeare® is a global antenna brand with a reputation for superior quality, performance and durability. With manufacturing and distribution centers in Asia, North America and Europe, we are positioned to deliver excellent service to our customers worldwide. We have a rich tradition serving both military and civilian maritime customers globally, and we offer our customers high quality products that have been perfected through a strong collaboration with professionals, Navies and Coast Guards since 1952. Our antennas comply with GMDSS standards, and are UV resistant.

Although we are very proud of our premier antenna portfolio, our approach to satisfying customers reaches far beyond antenna design and technology. With unparalleled focus on service and ease of doing business, there is simply no reason to look anywhere else for your antenna partner.



WebWatch™

Product Number: WCT-1

Take your entertainment wherever you go. WebWatch lets you access the internet from a Wi-Fi Hotspot or cellular network with up to 4G speeds and share it wirelessly or through Ethernet. Now, you don't need another antenna for your TV. Access your favorite local TV channels through the WebWatch's built in TV receiver. Web and Watch, on your boat, recreational vehicle, cabin or AnyWhere else.



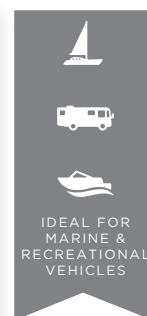
Kit Includes:
Device, 25' cable, instruction sheet

Features:

- Antenna diversity
- Auto switch between Wi-Fi and Cellular
- iOS and Android app, web-based management
- Wi-Fi hotspot or Ethernet port network
- SMS and app reboot function
- High performance CPU and SDRAM
- Single cable for power and TV

Benefits:

- Pick up the best signal with maximum clarity
- Save on data when possible, uninterrupted.
- Device management tools, optimize mobile screen, computer or tablet
- Flexibility to extend Wi-Fi network
- Safely reboot without accessing power supply
- Fast, reliable, and responsive
- Only single cable to be installed if not using LAN



 Easy Set Up  Energy Efficient and Durable  Increase Reception = MORE BARS  Universal Compatibility

TECHNICAL SPECIFICATIONS

Product Number: WCT-1

Power Supply & Consumption	DC12V/24V, 600mA @12 VDC Max
Device Management	iOS app, Android app and web browser
Internet access through	Wi-Fi hotspot or 3 Ethernet ports
Number of Users	Up to 32 on Wi-fi and cellular
Connectors	male "f" connector (TV), 1 x Ethernet (WAN), 3 x Ethernet (LAN)
Wire	25ft (7.62m) RG-59 coax cable/power cable
RoHS Compliant	Yes
Dimensions	Dia. 11.75 in x 13 in (29.84cm x 33.02cm)
Weight	3.85lbs (1.74kg)
Wireless Approvals & Certifications	FCC, CE

WebWatch™

WIRELESS AND NETWORK

Product Number: WCT-1

Incoming	Long-Range Wi-Fi receiver, Cellular or 1 WAN port
Outgoing	thru Wi-Fi Router, thru Ethernet Router
Frequency	2.4 GHz
Other Network Features	Built-in Firewall, Dynamic DNS, Integrated Open VPN, IP Sec
Port Speed	LAN - 10/100Mbps, WAN- 10/100Mbps
Gain	2dB

CELLULAR SPECIFICATIONS

Product Number: WCT-1

Bands	
LTE (FDD)	B2/B4/B55/B17 with diversity
HSPA	DC-HSPA+/HSPA+/HSPA/WCDMA B2/B4/B5 with diversity
Speed	
LTE 4G	Up to 100 Mbps Download, 50 Mbps Upload (dependent on carrier)
HSPA+ 3G	Up to 42 Mbps Download, 5.76 Mbps Upload (dependent on carrier)
Gain	4dB

TV SPECIFICATIONS

Product Number: WCT-1

Receiving Range	VHF/UHF
Frequency ranges	AM: 520-1719 KHz FM: 88-108MHz, VHF: 87.5-230MHz; UHF: 470-790MHz
Antenna Gain	28dB
Max Output Level	100dBµV Max
Impedance	75Ω
Noise Figure	≤4.5dB
Compatibility	NTSC, ATSC (HDTV), T-DMB

*Also available with a built-in TV antenna. Please refer to model WC-1.

WebWhip™

LONG-RANGE Wi-Fi RECEIVER

Product Number: WiFi-1

Stay connected to the world of information where ever you go. Increase the coverage of public hotspots with the WebWhip, our fully integrated Wi-Fi antenna, radio and router, for hassle-free internet reception on your boat, RV, cabin or AnyWhere® else. Access the internet directly through LAN or wirelessly, by connecting WebWhip to any standard Wi-Fi router. Manage the network without any software installation through any device with a web browser. Simple, powerful, AnyWhere.



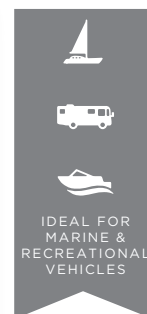
Kit Includes:
Receiver, Antenna, Power Injector,
DC Power Cord, AC Power Adapter, Mounting Kit
(Mounting Rail size 7/8in - 2in [2.22cm - 5.08cm])

Features:

- 28dBm receiver
- Built-in router
- Works with normal Wi-Fi router
- Power over Ethernet (PoE)
- Fully plug and play
- Web-based device manager
- FCC certified radio

Benefits:

- Long range WiFi reception on land or water
- Connect straight to your computer through an Ethernet cable
- Easy to create local Wi-Fi hotspot with any standard Wi-Fi router
- Single wire for power and data. No power consumed from connected device
- Simple, intuitive set-up and operation. No software installation required
- Manage device easily on any device with an internet browser
- Safe and legal



TECHNICAL SPECIFICATIONS

Product Number: WiFi-1

Frequency and Wireless Standards	2.4GHz, 802.11 b/g/n
Radio Power	Up to 28dBm
Antenna Gain	5dB
Range	Up to 7 Miles*
Throughput	100+ Mbps
Wire	25ft (7.62m) Ethernet cable
Connectors	N-Female (Antenna), Ethernet (Device)
Power Supply & Consumption	12VDC & 110/220VAC, 600mA at 12VDC Max
Wireless Approvals	FCC Part 15.247, IC RS210, CE
RoHS Compliant	Yes
Dimensions	19.5in x 3.1in x 1.5in (24.13cm x 7.87cm x 3.81cm)
Weight	13.6oz
FCC ID (USA)	SWX-M2B

*Range may increase or decrease depending on factors like hotspot strength and obstacles in line of sight

*Also available in a metal version. Please refer to model WIFI-2.

QuickConnect™

Product Number: QC-3, QC-4, & QC-8

Stemming from the popularity of the quick connecting feature on Shakespeare's high-end Phase III® marine antennas, the new QuickConnect product line brings you the ease of connecting and disconnecting your marine antenna in a series of entry-level antennas.



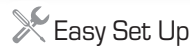
Kit Includes:
PL-259-CP-G Connector (QuickConnect Mount Sold Separate)

Features:

- QuickConnect™
- High quality connection
- Splash protection cap
- Centerpin® PL-259 Connector
- Standard mount design
- Warranty

Benefits:

- Unscrew or screw antenna to disconnect or connect
- No noise generated due to vibrations
- Protect the connector on the mount when antenna is disconnected
- Easy crimp-on type connector
- Upgrade to a high-end Shakespeare antenna without purchasing a new mount
- Two year limited warranty



TECHNICAL SPECIFICATIONS

Product Number:	QC-3	QC-4	QC-8
Frequency Band	VHF Marine	VHF Marine	VHF Marine
Height	3ft (0.91m)	4ft (1.21m)	8ft (2.43m)
Gain	3dB	3dB	6dB
Ferrule	Chrome-Plated Brass	Chrome-Plated Brass	Chrome-Plated Brass
VSWR	<1.5:1 at 156.8 MHz	<1.5:1 at 156.8 MHz	<1.5:1 at 156.8 MHz
Bandwidth	5 MHz within 2.0:1 VSWR	5 MHz within 2.0:1 VSWR	5 MHz within 2.0:1 VSWR
Coax Supplied	20ft (6.09m) of RG-58	20ft (6.09m) of RG-58	20ft (6.09m) of RG-58
Color	White	White	White
Polarization	Vertical	Vertical	Vertical
Impedance	50 Ohms	50 Ohms	50 Ohms

Mount Number	QCM-S	QCM-SR	QCM-N	QCM-NR
Mount Material	Stainless Steel	Stainless Steel	Nylon	Nylon
Mount Type	Ratchet	Ratchet Rail	Ratchet	Ratchet Rail

Classic



MARINE
& LAND

2

YEAR
WARRANTY

JellyFish

MULTI-BAND ANTENNA
Wi-Fi, GPS, CELLULAR

Product Number: JF-3

The JellyFish is a 3-way omni-directional, IP67 waterproof antenna for marine communication and transportation harsh environment applications. This antenna delivers advanced antenna technology for GPS/2G/3G/4G/WiFi in a compact package. The functions of WiFi include 802.11a, 802.11b/g/n and emerging 802.11ac. The antenna has its own ground-plane and can radiate on any mounting surface such as metal, plastic, or fiberglass without affecting performance.



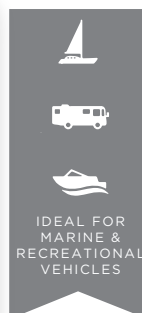
Kit Includes:
JF-3 Antenna, Retaining Nut,
25ft RG-174 cable x3 (attached)

Features:

- 3-in-1 antenna functions
- Durable and robust
- Versatile mounting system
- Waterproof IP67
- Built-in ground-plane
- Warranty

Benefits:

- Wide-beam coverage for GPS, Wi-Fi, and cellular 2G, 3G, and 4G
- Resistant to harsh outdoor environments
- Can be mounted flush or on included pedestal
- Protected from dust and water
- Can radiate on any mounting surface such as metal, plastic, or fiberglass
- Two year limited warranty



Easy Set Up

Beautiful and Durable

Flexibility in Mounting

Universal Compatibility

TECHNICAL SPECIFICATIONS

Product Number: JF-3	
Dimensions	1.6in x 4in (4.06cm x 10.16cm)
Mounting type	Flush, included pedestal
Mounting thread	M20 x 2.5mm
Connectors	Wi-Fi (R/P SMA Male), GPS (BNC Male), Cellular (FME Female)

Wi-Fi SPECIFICATIONS

Frequency band	2.4~2.5GHz	5~5.4GHzHz	5.4~5.9GHzHz
Average peak gain	4.8dBi	6.9dBi	7.7dBi
Average efficiency	73%	65%	70%
VSWR Max	3.0:1	3.0:1	3.0:1
Impedance	50Ω	50Ω	50Ω
Pattern type/ polarization	Omni-directional/ linear	Omni-directional/ linear	Omni-directional/ linear
Power handling	25 watt	25 watt	25 watt

JARDEN
applied materials

Shakespeare® Company, LLC a subsidiary
of Jarden Corporation (NYSE: JAH)

All products and product specifications are subject to change without prior notice

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JellyFish

GPS SPECIFICATIONS

Specifications	
Frequency band	1575.42 ± 2MHz
VSWR	1.5:1
Bandwidth	20MHz Min. at -10dB
Axial ratio / Polarization	3dB Max. on a 70mm x 70mm ground plane / Right hand circular
Peak Gain	4dBic Min. at 0° on a 70mm x 70mm ground plane
Gain & radiation coverage	≥-4dBic at -90°≤θ≤90° (over 75% volume)
Amplifier Module	
Gain	27dB Typical
Noise figure	2.5dB Max.
LOW voltage operation	2.7-6.0Vdc
Impedance	50 OHMS
VSWR	2:1 Max.
Brand rejection	-35dB@±100MHz
Power handling	1W Max.
Current	10±3mA

CELLULAR SPECIFICATIONS

Frequency type	LTE	AMPS/GSM	DCS/PCS	WCDMA
Frequency band	696~800MHz	824~960MHz	1710~1990MHz	1920~2170MHz
Average peak gain	2.6dBi	-0.1dBi	6.7dBi	6.8dBi
Average efficiency	64%	39%	78%	80%
VSWR Max	3.0:1	3.0:1	3.0:1	2.0:1
Impedance	50Ω	50Ω	50Ω	50Ω
Pattern type/ polarization	Omni-directional/ linear	Omni-directional/ linear	Omni-directional/ linear	Omni-directional/ linear
Power handling	25 watt	25 watt	25 watt	25 watt

EXPERIENCE. KNOWLEDGE. QUALITY.



The Shakespeare® Tradition

Shakespeare® is a global antenna brand with a reputation for superior quality, performance and durability. With manufacturing and distribution centers in Asia, North America and Europe, we are positioned to deliver excellent service to our customers worldwide. We have a rich tradition serving both military and civilian maritime customers globally, and we offer our customers high quality products that have been perfected through a strong collaboration with professionals, Navies and Coast Guards since 1952.

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Shakespeare® Innovation

While we are proud to be the world's leading marine antenna company, we recognize that innovation is necessary to adapt to changing needs in the market. With our new product line expansion into Wi-Fi, Cellular and Multi-Function Antennas, our products will enable you to stay connected to friends and family further offshore than before. Whether you want to check emails, share photos on social media, watch your favorite TV shows, stream movies or just make phone calls to shore, we have the solution for you.

Choose a genuine Shakespeare® product and relax – you've made the right choice.





Electronic Products Group

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