



## Key Features and Benefits

### Powerful Performance

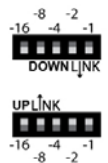
Combines a UL/DL gain of up to 60dB with superior UL/DL output power of +27dBm to effectively cover a variety of larger indoor areas.

### Broadband Coverage

Amplifies all RF signal within the band, enabling complete access to services of ALL operators.

### Manual Gain Control (MGC)

Enables flexible adoption to various mobile environments. A DIP switch provides easy access to individual UL or DL gain attenuation, ranging from 29~60dB.



### Multiple Service Antennas Support

With the ability to install multiple service antennas on a single indoor repeater, it provides extensive coverage to the multiple areas of the premises. Ensures that strong coverage can be provided to the furthest reaches of your home or office.

### High Voltage Power Supply

A plug-and-use 12V DC power supply provides flexibility in choice of power supply sources and the applications that repeater is being used. Freedom to connect directly to car batteries, solar panels, trailers, boats, etc. Also facilitates power transmission in countries with not stable AC lines.

### Compact Design and Easy Installation












Offers extremely simple, plug and play installation even for non experienced users. Also optionally available with a selection of accessories needed for a complete installation.

## Superb, Powerful Coverage

Ultimate solution for operators and mobile users to overcome the real-world challenges in large in-door coverage areas, our TG Broadband Repeater Series has dedicated itself to improving cell signals for multi-floor and large commercial installations.

The integrated and powerful TG-900 Broadband Repeater is easy to install, and has been designed specifically to extend mobile coverage in areas such as multi-story homes, supermarkets and office buildings up to 30,000 sq feet or 3,000 sq meters of empty space.

The TG-900 is the ideal solution for operators and mobile users seeking a quick and cost-effective coverage solution for their GSM900 networks.

	IDEN	850	GSM	DCS	1900	UMTS
SOHO		 TX-824 7dBm 55dB	 TX-900 7dBm 55dB	 TX-1800 7dBm 50dB	 TX-1900 7dBm 50dB	 TX-2200 7dBm 55dB
Pico			 TD-900 10dBm 55dB			
Mini	 TG-806 27dBm 60dB	 TG-824 27dBm 60dB	 TG-900 27dBm 60dB	 TG-1800 25dBm 60dB	 TG-1900 25dBm 60dB	

\* Coiler also offers an extensive portfolio of band selective repeaters

Coiler TG Broadband Repeater Series



Coiler Corporation offers an extensive portfolio of customizable indoor repeaters for RF signal enhancement. Our products allow mobile network carriers to quickly and cost-effectively address in-building coverage considerations and improve reception in iDEN, CDMA, GSM, DCS, PCS, UMTS and WiMAX networks. Some global operators such as Telefonica, Vodafone, Smartone, Peoples, AIS, Singtel, TMN and others have trusted our experience and expertise.



An ISO 9001 Certified Company

## Sample Installation



## Package Contents

### Supplied

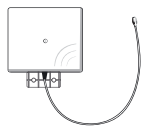


Repeater



Power Adaptor

### Optional



Directional Panel  
Outdoor/Indoor Antenna



Omnidirectional  
Outdoor Antenna



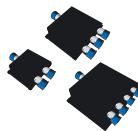
Omnidirectional  
Indoor Antenna



RF Cable



Omnidirectional  
Patch Indoor Antenna



2-, 3-, 4-Way  
Power Splitters

## Specifications

### Electrical:

Frequency Range	Uplink: 890 ~ 915MHz Downlink: 935 ~ 960MHz
Bandwidth	25MHz
Gain (UL/DL)	60dB
Gain Adjustment (UL/DL)	29 ~ 60dB (in 1dB steps)
Gain Flatness	± 2.5dB
Total Output Power (UL/DL)	+ 27dBm
Max. I/P Without Damage	≥ +10dBm
Spurious	≤ -36dBm (9kHz ~ 1GHz) ≤ -30dBm (1GHz ~ 12.75GHz)
Return Loss	≤ -10dB
Group Delay	≤ 2μs
Noise Figure @ Full Gain	≤ 8dB
Power Consumption	24W
System Impedance	50Ω
Power Requirements	AC: 110-220 V / 60Hz ± 10% DC: 12V / 2A

### Mechanical & Environmental:

Weight	Approx. 1.3 kg
Dimensions	225 x 150 x 40mm
Operating Temperature	+5°C ~ +50°C
RF Connector Type	N-Type Female (1 x BTS, 1 x MS)

## Certifications and Compliance

FCC  
WEEE  
RoHS