



Your Choice for Residential 2G/4G Coverage



The AT-900 Band Selective Repeater is Coiler's unique offering for a rapid mobile coverage extension on the LTE (Band 8)/GSM 900 network. It has been specifically designed to help carriers solve coverage problems in a variety of smaller indoor environments such as homes and offices.

The AT-900's built-in service antenna allows for a convenient plug-and-play installation, while its additional antenna extension port makes the system flexible and easy to adapt to any environment. The unit can be deployed even by the most non-technical user, making it perfect for operators seeking a smart and economic solution to satisfy their customers' growing demands for high-quality indoor coverage.

Coiler's Single Band Offering

700MHz (Band 28)			BR-700 20dBm/80dB 4G
800MHz (Band 20)		ST-800 18dBm 75dB 4G	BR-800 23dBm/80dB* 20dBm/80dB 18dBm/70dB* 4G
900MHz (Band 8)	AT-900 13dBm 65dB 2G/4G	ST-900 18dBm 75dB 2G/3G/4G	BR-900 23dBm/80dB 20dBm/80dB 18dBm/70dB 2G/3G/4G
1800MHz (Band 3)		ST-1800 18dBm 75dB 4G	BR-1800* 23dBm/80dB 20dBm/80dB 18dBm/70dB 4G
2100MHz (Band 1)	AT-2200 13/7dBm 60/65dB 3G/4G	ST-2200 18dBm 75dB 3G/4G	BR-2200* 23dBm/80dB 20dBm/80dB 18dBm/70dB 3G/4G
2600MHz (Band 7)		ST-2600 18dBm 75dB 4G	BR-2600 20dBm/80dB 4G

* Coming soon products.
Coiler also offers an extensive portfolio of dual band repeaters.

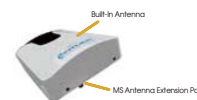
Key Features and Benefits

Complete Network Safety

Functions such as Auto Isolation Detection (AID), Auto Shutdown (ASD) and Auto Turn-on (ATO) ensure that the repeater is safeguarded at all times. The Automatic Gain Control (AGC) feature protects the network from oscillation and interference, preventing spikes in output power that could damage the system or interfere with base stations.

Built-In Service Antenna and Extension Port

The AT-900's built-in service antenna makes the unit discreet and easy to install. An additional service antenna port is available to allow for flexible system extension.



LED Display & Attenuation Buttons

To facilitate installation, LED lights display the received signal strength (RSSI) and major alarms such as Auto Gain Control (AGC), interference and overpower. Gain can be manually adjusted for increased flexibility and convenience.

Complete "Ready to Install" Package

Comes with everything necessary for a simple, plug-and-play installation. Its stylish and compact design will complement the décor of any home or office.

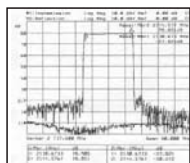


High Gain and Output Power

Combines a gain of 65dB with a UL/DL output power of +13dBm to effectively cover a variety of smaller indoor areas.

Customizable Bandwidth

The AT-900's bandwidth can be customized to any particular operator's frequency. Its high SAW filter selectivity provides sharp out-of-band rejection.



QW-05035; AT-900 ver G9



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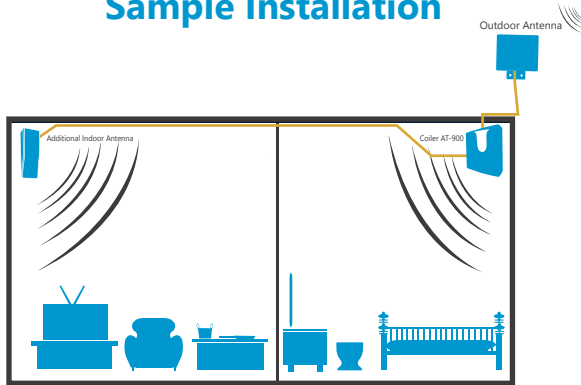
Coiler Corporation offers an extensive portfolio of indoor and outdoor repeaters for RF signal enhancement. Our products allow mobile network carriers, system integrators and cell phones users to quickly and cost-effectively address coverage considerations and improve reception in iDEN, CDMA, GSM, DCS, PCS, UMTS, WiMAX and LTE networks. Some global operators such as Vodafone, Orange, T-Mobile, Telefonica o2, Telenor, Tele2, Singtel, KPN and others have trusted our experience and expertise.

www.coiler.com.tw





Sample Installation

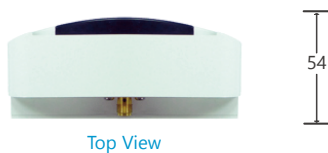


Electrical Specifications:

Supported System	900 MHz (LTE Band 3/GSM)
Frequency Range	Uplink: 880~915MHz Downlink: 925~960MHz
Bandwidth	1.2~24.8MHz, Customized
Linear Gain	65dB
Gain Adjustment (UL/DL)	45~65dB
AGC Range	≥20dB
Gain Flatness	±1.5dB
Output Power (UL/DL)	13dBm
Return Loss	≤-14dB
Group Delay	4G ≤4.5μs
Noise Figure (UL/DL)	≤6dB
EVM	4G ≤8% RMS
Input/Output Intermodulation	3GPP TS 36.106
Spurious Emission	ETSI EN 300 609-4 3GPP TS 36.106
Unwanted Emission	ETSI EN 300 609-4 3GPP TS 36.106
Out-of-Band Gain	ETSI EN 300 609-4 3GPP TS 36.106
ACRR	3GPP TS 36.106
DL-UL Isolation	>Gain+15dB
Power Consumption	10W
Power Requirement	100 ~ 240V AC / 47 ~ 63Hz
System Impedance	50Ω

Dimensions

(All measurements in millimeters)



Top View



Front View

Mechanical & Environmental:

Weight	≤1.5kg
Dimensions	104 x 155 x 54mm
Operating Temperature	0°C~+50°C
Protection Classification	IP30
RF Connector Type	SMA Female (1 x BTS, 1 x MS)
LED Indication	AGC/AID, Donor Low Signal