

### Single Band RF Indoor Repeater (Single Sub Band) R15 Repeater



#### APPLICATION AREAS

- Office and Residences
- Shopping Malls, Hotels, Hospitals, Restaurants, etc.
- Basements & Car Parking Areas

MODEL# IS1R15

# R15 Single Band RF Repeater

## Indoor Coverage

This integrated single band indoor RF repeater, equipped with a single sub band provides quick and low cost enhancement to mobile signals in an indoor setting. This compact and lightweight system is easy to install and is capable of enhancing coverage in areas of up to 1,200 sq. meters /12,000 sq. ft.



SINGLE BAND RF REPEATER  
R15 [INDOOR]

### SALIENT FEATURES

- Compatible with GSM, CDMA, iDEN, WCDMA and GSMR technologies
- Available for SMR 800 MHz / Cellular 850 MHz / SMR 900 MHz / EGSM / GSM 900 MHz / DCS 1800 MHz / PCS 1900 MHz / UMTS / AWS frequency bands
- Designed for indoor applications
- Conforms to ETSI & FCC standards
- Compatible with frequency hopping BTS
- Low noise and highly linear RF performance
- Low power consumption
- APC (Automatic Power Control) for optimal linear output power
- System monitoring through USB port with easy to view GUI
- Oscillation suppression feature
- High selectivity for excellent out-of-band signals rejection
- RSSI indication, local control and alarms

# R15 Single Band RF Repeater

## SPECIFICATIONS

<b>Gain:</b>	70dB Min. UMTS: 65dB Min.
<b>Attenuation Range:</b>	0-31 dB in steps of 1 dB
<b>Attenuation Type:</b>	Automatic/Manual through GUI
<b>Automatic Power Control:</b>	10 dB Min.
<b>Output Power (Composite):</b>	+15 dBm Min.
<b>RF Power (P1):</b>	+ 22 dBm Min.
<b>Spurious Emission:</b>	<-36 dBm @ 9KHz-1GHz <-30 dBm @1GHz-12.75GHz
<b>Noise Figure:</b>	5 dB Max.
<b>Pass Band Ripple:</b>	± 2 dB
<b>Impedance:</b>	50 Ohms
<b>V. S.W.R.:</b>	1.5:1 Max.
<b>Propagation Delay:</b>	5.5 µs Max.
<b>Power Supply Adapter:</b>	Input: AC 100 - 240 V, 47/63 Hz
<b>Power Consumption Approx.:</b>	15 Watts
<b>RF Connector:</b>	N Type Female
<b>Weight Approx.:</b>	2 kg. (4.4 lbs.)
<b>Dimensions (L x W x H) Approx.:</b>	205 x 175 x 35 mm (8 x 7 x 1.4 inches)
<b>Operating Temperature Range:</b>	-5 °C to +55 °C (+23 °F to +131 °F)

## FREQUENCY BANDWIDTH

- Customizable as per requirement

## ACCESSORIES

- Operational Manual
- Power Supply Adapter with Cord
- USB Interface Cable
- Software (CMC) CD

All Shyam signal enhancement products can be customized to fit your requirements. Contact the Shyam location nearest you for further details.

# ABOUT SHYAM TELECOM

Shyam Telecom is a leading global telecom equipment manufacturer supplying innovative indoor and outdoor wireless signal enhancement solutions to more than 100 networks on five continents. The company designs and manufactures cost effective RF and optical distributed antenna solutions that enable mobile operators, real estate developers, neutral-host providers, and businesses to provide seamless wireless coverage within their networks.

Shyam Telecom has been manufacturing RF and fiber equipment for over 30 years, enabling reliable mobile communications for GSM, CDMA, UMTS, and Public Safety. The product line is designed to provide solutions that meet all of today's network standards, wireless protocols and frequencies to ensure coverage today, and state-of-the art technology to meet the needs of the future.

## NEXT GENERATION SIGNAL ENHANCEMENT



### CORPORATE HEADQUARTERS

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