



# RomanCell

Romancell Technology Co., Ltd.

[www.cordless4u.com](http://www.cordless4u.com)

# Company Profile

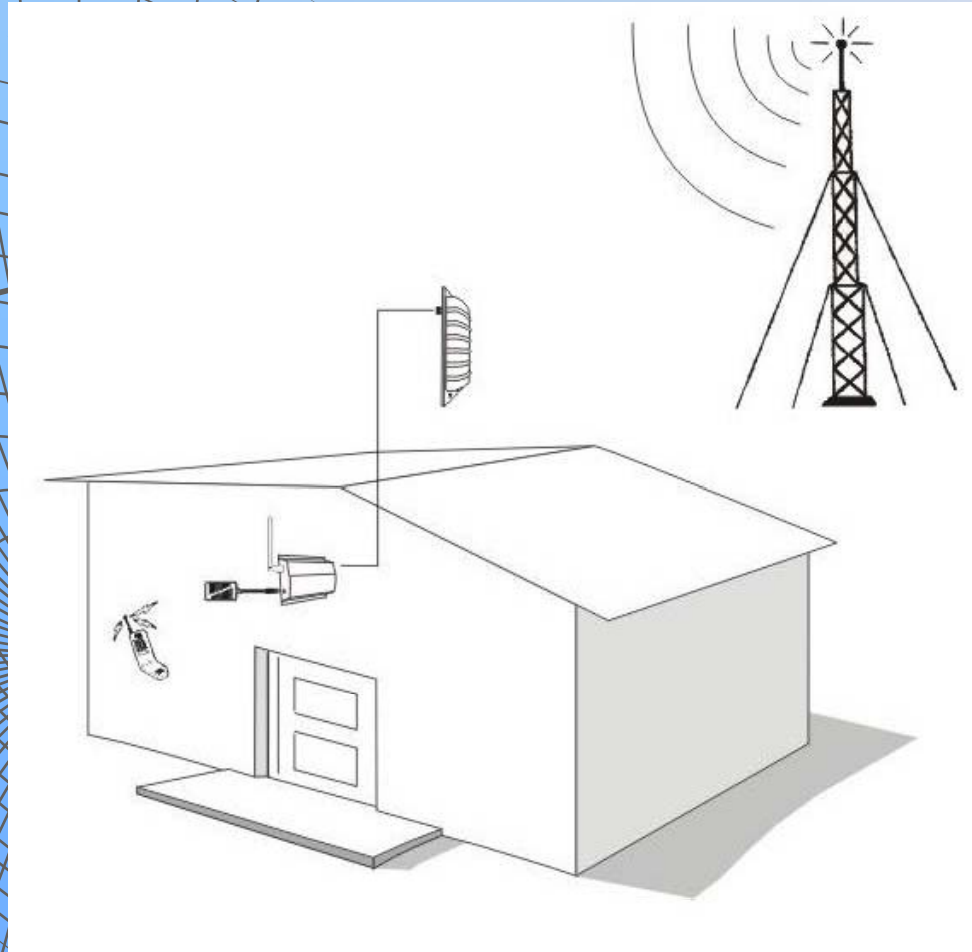
Romancell Technology Co., Ltd. Is established in 1989. and since has grown into major mobile repetitor manufacturer.

Over 20 years experience in design, installations, and manufacture gives us clear picture of our clients needs, modern solutions and combining those in a winning product combinations.

We have established our name by rigorous quality control and production standards, and we have capacity to grow into leading brend in our field.



# Small Site Repeaters



# Small Site Repeaters System

RomanCell



- ◆ IDEN
- ◆ CDMA
- ◆ GSM
- ◆ DCS
- ◆ PCS
- ◆ UMTS

# Specification

## iDen / CDMA / GSM

Model No.		SI45	SC45	SG45
Cell Phone System		iDEN	CDMA	GSM
Frequency Range	Uplink	806-824MHz	824-849 MHz	890-915 MHz
	Downlink	851-869 MHz	869-894 MHz	935-960 MHz
Bandwidth		18 MHz	25 MHz	25 MHz
Service coverage (m2)		45: 60-300 m <sup>2</sup>	45: 60-300 m <sup>2</sup>	45: 60-300 m <sup>2</sup>
Gain		Uplink 45dB / Downlink 45dB		
TX/RX Power		17dBm / 0dBm		
Noise Figure		6.0dB		
RF Connector		Output Antenna Port: F(F) Indoor Antenna Port: TNC(F)		
Power Supply		90-240 VAC i/p, 12.2V 1.0A o/p		
AGC Range		20 dB (min)		
Size Dimension (H x W x D)		3.8x10.5x16.0 cm		

# Specification

## DCS / PCS / UMTS

RomanCell

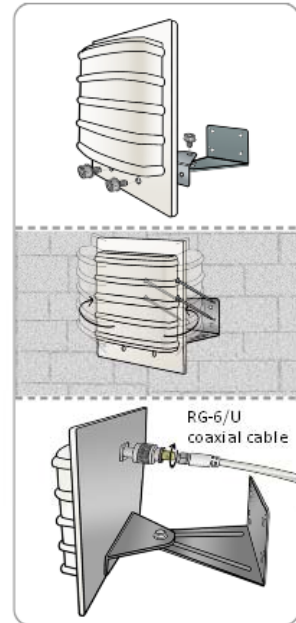
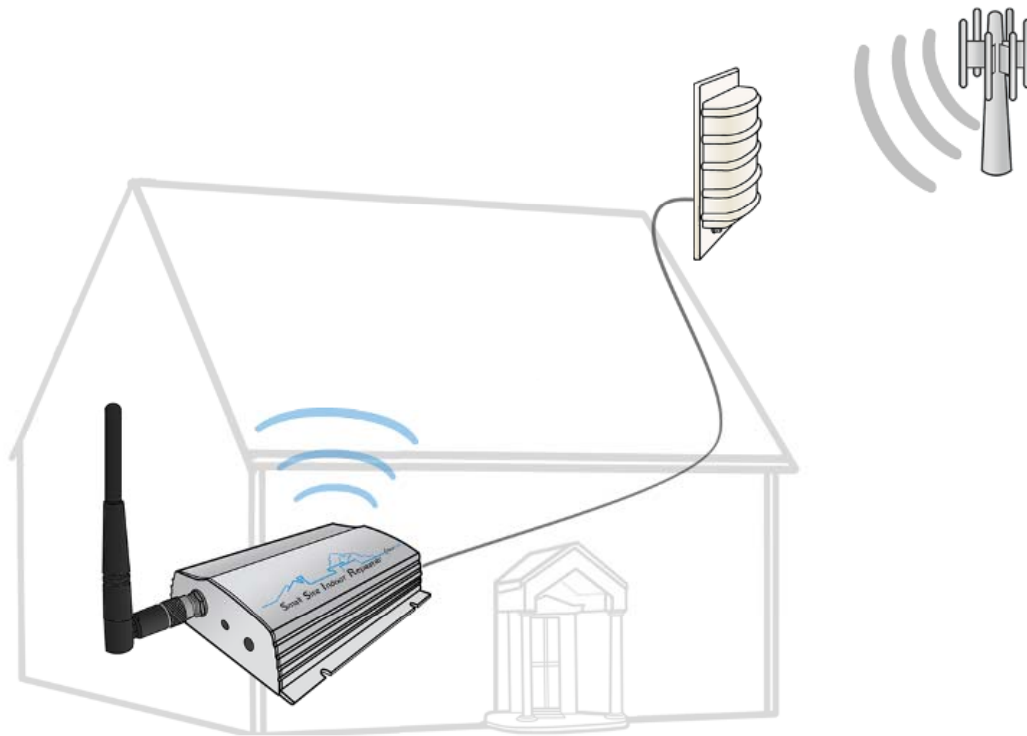
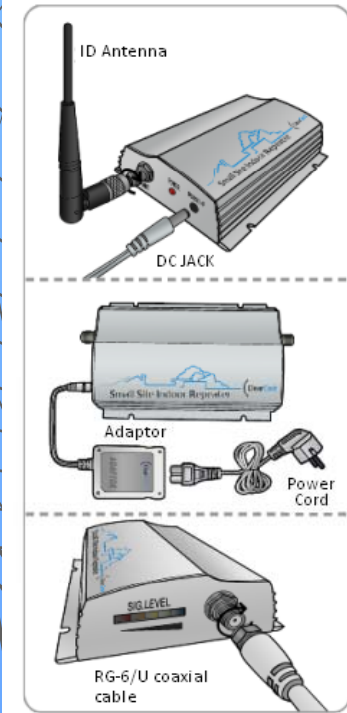
Model No.		SD50	SP50	SU50
Cell Phone System		DCS	PCS	UMTS
Frequency Range	Uplink	1710-1785MHz	1850-1910 MHz	1920-1980 MHz
	Downlink	1805-1880 MHz	1930-1990 MHz	2110-2170 MHz
Bandwidth		75 MHz	60 MHz	60 MHz
Service coverage (m2)		50:50-200 m <sup>2</sup>	50:50-200 m <sup>2</sup>	50:50-200 m <sup>2</sup>
Gain		Uplink 50dB / Downlink 50dB		
TX/RX Power		17dBm / 0dBm		
Noise Figure		6.0dB		
RF Connector		Output Antenna Port: F(F) Indoor Antenna Port: TNC(F)		
Power Supply		90-240 VAC i/p, 12.2V 1.0A o/p		
AGC Range		20 dB (min)		
Size Dimension (H x W x D)		3.8x10.5x16.0 cm		

# DIY Kit Accessories



- ◆ Repeater main unit
- ◆ Out door panel antenna
- ◆ Indoor antenna
- ◆ 15mRG-6/U coaxial cable (Connector F(M) )
- ◆ A/C adaptor power supply (A/C power cord)
- ◆ Adaptor N(M)-F(F) [F(F) attach RG-6/U end]
- ◆ Brackets for out door panel antenna

# Installation



# Features

- ◆ *REDUCE RADIATION* from cell phone by having clear signal, beneficial for human health
- ◆ Built-in *AGC* circuit, *FREE of INTERERENCE*
- ◆ Unique LED level indicators, easy to find base station
- ◆ DIY kit, adequate accessories included, *EASY INSTALLATION*
- ◆ Suitable for small office, small shop, residential home., etc...

# CE Approval



Notified Body Directive 99/5/EC  
 Notified Body EMC Directive 2004/108/EC  
 RFCAB under the Japan-EC MRA  
 FCB under the Canada-EC MRA  
 TCB under the USA-EC MRA

EC Identification No. 0678



Recognized by the German Regulator  
 to act as a Notified Body in accordance with the  
 R&TTE Directive 1999/5/EC of 9. March 1999

BNetzA-BS-02/51-54

## R&TTE STATEMENT OF OPINION

Registration No. G107280X

Certificate Holder Romancell Technology Co., Ltd.  
 4F-1, No.842, Ching Kuo Rd,  
 Taoyuan city 330  
 Taiwan R.O.C.

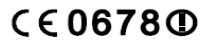
Product Designation Small Site GSM Indoor Repeater, Model SG-45  
 Frequency Range: 980 – 915 MHz, 935 – 960 MHz  
 Transmit Power: 17 dBm, 2,3 dBm

Product Description GSM Indoor Repeater

Manufacturer Romancell Technology Co., Ltd.  
 4F-1, No.842, Ching Kuo Rd,  
 Taoyuan city 330  
 Taiwan R.O.C.

Essential Requirement	Applied Specifications / Standards	Documentary Evidence	Result
Art. 3.1(a) Health	Not assessed		
Art. 3.1(a) Safety	EN 60950-1:2006 EN 60950-1:2001+A11:2004	Test Report EJ/2009/20001 Certificate S 50092588	conform
Art. 3.1(b) EMC	EN 301 489-1/-8	Test Report EI/2009/20003	conform
Art. 3.2 Radio	EN 301 502	Test Report EH/2009/20005	conform

The product shall be marked with the CE conformity marking  
 and our Notified Body number as shown on the right.



The scope of evaluation relates to the submitted documents only.

This Statement of Opinion is issued in accordance with Annex IV of the R&TTE Directive 1999/5/EC  
 of 9<sup>th</sup> March, 1999 and is only valid in conjunction with the attached Annex.

Ebermannstadt,  
 2009-05-13

*Klaus Knörig*  
 Klaus Knörig  
 Notified Body



# CE Approval



Manufacturer: *Romancell Technology Co., Ltd.*  
Address: *4F-1, No.842, Ching Kuo Rd. Taoyuan City330, Taiwan R.O.C.*

## EU DECLARATION OF CONFORMITY

### The EU Directives covered by this Declaration

*Notified Body Directive 99/5/EC*  
*Notified Body EMC Directive 2004/108/EC*  
*RFCAB under the Japan-EC MRA*  
*FCB under the Canada-EC MRA*  
*TCB under the USA-EC MRA*

### The Products Covered by this Declaration

Product Name: *Small Site GSM Indoor repeater*  
Model No: *SG-45*

### The basis on which Conformity is being Declared

The product identified above complies with the requirements of the EMC directive above on the basis of the test report number *EJ/2009/20001*  
*Certificate S50092588*  
*EI/2009/20003*  
*EH/2009/20005*

The products described above comply with the essential requirements of the directives specified.

### EC Identification No. 0678

The product shall be marked with the CE conformity marking and our Notified Body number as shown on the right.

**CE0678**

Signed: \_\_\_\_\_

Authority: **JENSEN LEE**

Date: **21OCT2011**

### ATTENTION!

The attention of the specifier, purchaser, installer, or user is drawn to special measures and limitations to use which must be observed when the product is taken into service to maintain compliance with the above directives. Details of these special measures and limitations to use are available on request, and are also contained in the product manuals.