



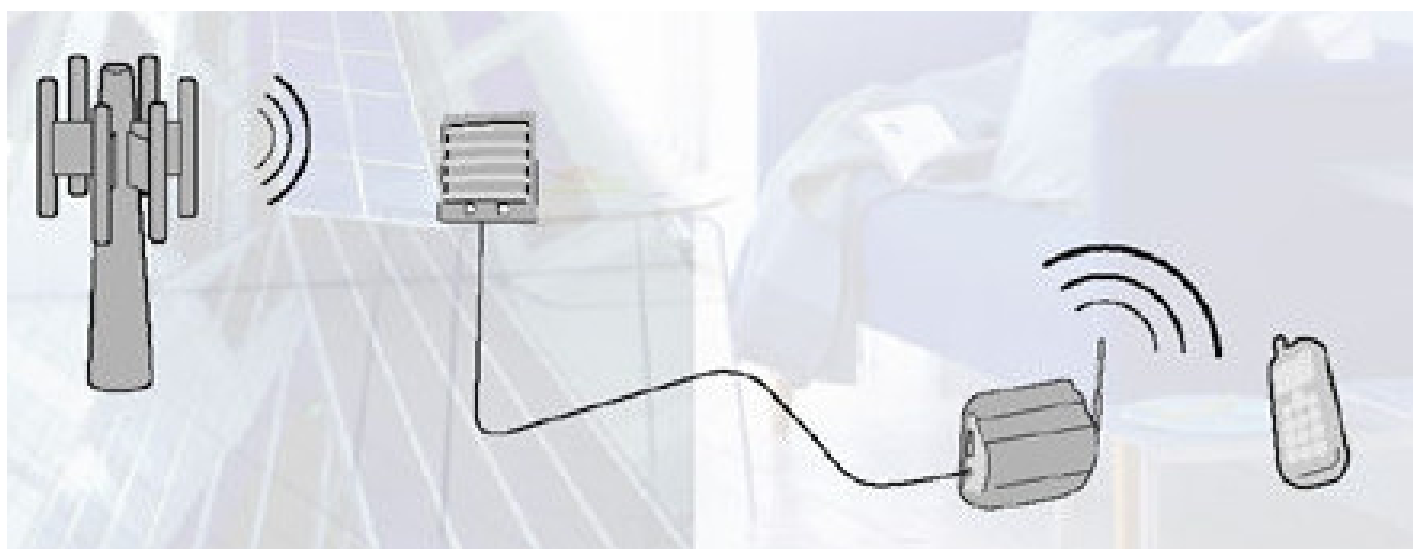
APM CO., LTD

DCS / PCS / UMTS

Small Site 40/45 Series

Features

- Improve indoor cell phone communication, coverage area 20-70m² [45 series], 30-100m² [50 series]
- Reduce radiation from cell phone, helpful for human health
- Built-in AGC circuit, free of interference
- Unique LED level indicators, easy to find base station
- Extend lifespan of cellular phone battery
- DIY kit, adequate accessories included, easy to install
- 3 systems in 1 repeater [CDMA, TDMA, GSM 1900 in SP series.]





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Specifications

ELECTRICAL PART				
Model No.		SD 45/45	SP 45/50	SU 45/50
Cell Phone System		DCS	PCS	UMTS
Frequency	Uplink	1710-1785 MHz	1850-1910 MHz	1920-1980 MHz
Range	Downlink	1805-1880 MHz	1930-1990 MHz	2110-2170 MHz
Bandwidth		75 MHz	60 MHz	60 MHz
Gain		〔 a 〕 Uplink 45dB / Downlink 45dB 〔 nom 〕 〔 b 〕 Uplink 50dB / Downlink 50dB 〔 opt 〕		
Gain Variation Over Freq. and Temp.		± 3dB		
Noise Figure		Uplink 8.0dB / Downlink 8.0dB		
OICP-3		Uplink 34dBm / Downlink 20dBm		
P1dB		Uplink 26dBm / Downlink 12dBm		
V.S.W.R.		≤ 2.0:1		
RF Power Output		Uplink 17dBm / Downlink 3 dBm		
Power Supply		90-240 VAC 50-60 Hz, 12.2 VDC 1.5A 〔 max 〕		
Power consumption		7W		
AGC Dynamic Range		20 dB 〔 Typ 〕		
Spurious IMD		-20 dBm 〔 Typ 〕		
Level indicator		5 color LED indicators : Red, Orange, Yellow, Green, Blue		
Input Level Display Range		-90 - -60 dBm		
MECHANICAL PART				
Size Dimensions		3.8 * 10.5 * 16 cm 〔 H*W*D 〕 ; 1.5 * 4.1 * 6.3 in		
RF Connector		Outdoor ANT side : F 〔 F 〕 ; Indoor ANT side : TNC 〔 F 〕		
Weight		0.5 kg 〔 approx 〕		
Case		Alley aluminum		
Installation		Wall or ceiling mount or set on the cabinet		
Fastening		4 screw holes		
Operation Temp		-5 °C - +45 °C		
Storage Temp		-15 °C - +50 °C		

Repeater kit unit and parts [included]:

- | | |
|--|--|
| 1. Main Unit | 5. Interior Omnidirectional Antenna |
| 2. Exterior Unidirectional Panel Antenna | 6. 15m coaxial cable with pre-installed connectors |
| 3. Bracket and Mounting screw set | 7. additional F connectors for spare |
| 4. AC Adapter | |

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