

Ultra Compact Repeaters - Band Selective

Features

- Simple band units.
- SAW filtering: carrier oriented, sub-band filtering.
- USB programming.
- Independant AGC and gain control for UL and DL chains.
- Compatible with GPRS/EDGE & HSDPA.



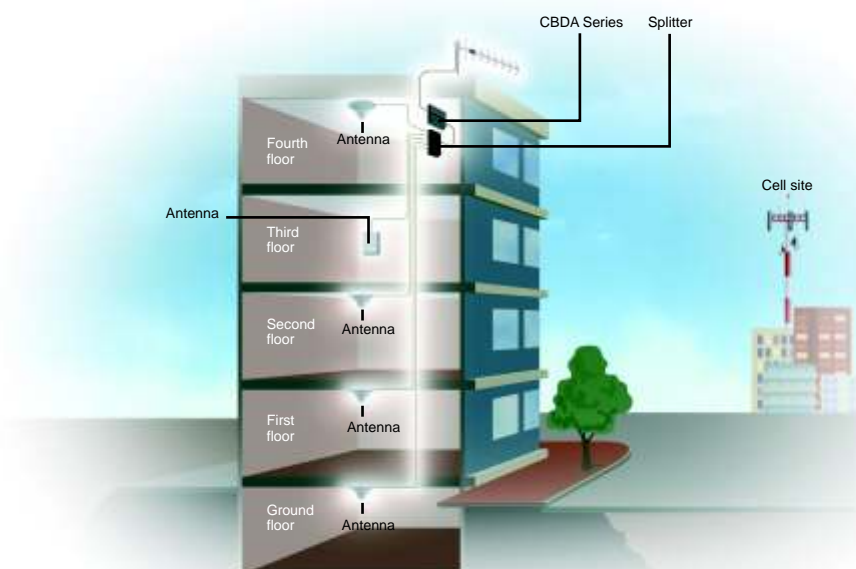
Product description

FIPLEX Ultra Compact Repeaters are single band devices with sub-band filtering capability in terms of IF SAW technology, designed to meet the coverage needs of cellular carrier operators and end users in wide areas, offices, malls, multi store buildings and parking lots.

Control and programming of the unit is via USB connection and proprietary software, with remote control capability (as optional) via wireless modem.

Unlimited capability to handle simulateous calls and a typical coverage area of 5000m2, makes it the best option to enhance coverage while keeping quality of calls and data transfer rate .

Typical application



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Technical Specifications

- Model : CBDAS-1A1S
- Frequency: ESMR 806-824MHz/851-869MHz
- Bandwidth : Factory preset, 200KHz to 18MHz,
center frequency adjustable via USB in
25KHz steps.
- Gain : 70dB
- Manual gain adjustment: 18dB in 3dB steps
- AGC: 20dB range.
- Composite output power: +20dBm
- DL output power indicator: Via USB
- Feedback indicator: Via USB
- OIP3: > +44dBm
- IMD and spurious: < -13dBm
- Noise figure : <6dB
- VSWR: 1.5:1 max
- Remote control: Yes, as optional, wireless MODEM
- Size: 200.00 x 150.00 x 30 mm
- Power: 110/220 VAC 50/60Hz 20W
- Connectors : SMA(f)
- FCC: 47 CFR Part 90

 **WARNING** : Use only power supply provided with the Repeater.

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Technical Specifications

- Model : CBDAC-1A1S
- Frequency: CELLULAR 850 824-849MHz/869-894MHz
- Bandwidth : Factory preset, 200KHz to 25MHz,
center frequency adjustable via USB in
25KHz steps.
- Gain : 70dB
- Manual gain adjustment: 18dB in 3dB steps
- AGC: 20dB range.
- Composite output power: +20dBm
- DL output power indicator: Via USB
- Feedback indicator: Via USB
- OIP3: > +44dBm
- IMD and spurious: < -13dBm
- Noise figure : <6dB
- VSWR: 1.5:1 max
- Remote control: Yes, as optional, wireless MODEM
- Size: 200.00 x 150.00 x 30 mm
- Power: 110/220 VAC 50/60Hz 20W
- Connectors : SMA(f)
- FCC: 47 CFR Part 22

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Ultra Compact Repeaters - Band Selective

Technical Specifications

- Model : CBDAE-1A1S
- Frequency: EGSM 880-915MHz/925-960MHz
- Bandwidth : Factory preset, 200KHz to 35MHz, center frequency adjustable via USB in 25KHz steps.
- Gain : 70dB
- Manual gain adjustment: 18dB in 3dB steps
- AGC: 20dB range.
- Composite output power: +20dBm
- DL output power indicator: Via USB
- Feedback indicator: Via USB
- OIP3: > +44dBm
- IMD and spurious: < -36dBm
- Noise figure : <6dB
- VSWR: 1.5:1 max
- Remote control: Yes, as optional, wireless MODEM
- Size: 200.00 x 150.00 x 30 mm
- Power: 110/220 VAC 50/60Hz 20W
- Connectors : SMA(f)
- ETSI - Radio: EN 301502 (GSM), TS 101087 (GSM), EN 300609-4 (GSM), EN 301908-1 (UMTS), EN 301908-11 (UMTS), TS 125143 (UMTS)
- ETSI - EMC: EN 301489-1, EN 301489-7 (GSM), EN 301489-23 (UMTS)

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Ultra Compact Repeaters - Band Selective

Technical Specifications

- Model : CBDAD-1A1S
- Frequency: DCS 1710-1785MHz/1805-1880MHz
- Bandwidth : Factory preset, 200KHz to 35MHz, center frequency adjustable via USB in 25KHz steps.
- Gain : 70dB
- Manual gain adjustment: 18dB in 3dB steps
- AGC: 20dB range.
- Composite output power: +20dBm
- DL output power indicator: Via USB
- Feedback indicator: Via USB
- OIP3: > +44dBm
- IMD and spurious: < -36dBm
- Noise figure : <6dB
- VSWR: 1.5:1 max
- Remote control: Yes, as optional, wireless MODEM
- Size: 200.00 x 150.00 x 30 mm
- Power: 110/220 VAC 50/60Hz 20W
- Connectors : SMA(f)
- ETSI - Radio: EN 301502 (GSM), TS 101087 (GSM), EN 300609-4 (GSM), EN 301908-1 (UMTS), EN 301908-11 (UMTS), TS 125143 (UMTS)
- ETSI - EMC: EN 301489-1, EN 301489-7 (GSM), EN 301489-23 (UMTS)



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Ultra Compact Repeaters - Band Selective

Technical Specifications

- Model : CBDAP-1A1S
- Frequency: PCS 1850-1910MHz/1930-1990MHz
- Bandwidth : Factory preset, 200KHz to 35MHz,
center frequency adjustable via USB in
25KHz steps.
- Gain : 70dB
- Manual gain adjustment: 18dB in 3dB steps
- AGC: 20dB range.
- Composite output power: +20dBm
- DL output power indicator: Via USB
- Feedback indicator: Via USB
- OIP3: > +44dBm
- IMD and spurious: < -13dBm
- Noise figure : <6dB
- VSWR: 1.5:1 max
- Remote control: Yes, as optional, wireless MODEM
- Size: 200.00 x 150.00 x 30 mm
- Power: 110/220 VAC 50/60Hz 20W
- Connectors : SMA(f)
- FCC: 47 CFR Part 24

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Ultra Compact Repeaters - Band Selective

Technical Specifications

- Model : CBDAU-1A1S
- Frequency: UMTS 1920-1980MHz/2110-2170MHz
- Bandwidth : Factory preset, 5MHz or 5MHz,
center frequency adjustable via USB in
25KHz steps.
- Gain : 70dB
- Manual gain adjustment: 18dB in 3dB steps
- AGC: 20dB range.
- Composite output power: +20dBm
- DL output power indicator: Via USB
- Feedback indicator: Via USB
- OIP3: > +44dBm
- IMD and spurious: < -13dBm
- Noise figure : <6dB
- VSWR: 1.5:1 max
- Remote control: Yes, as optional, wireless MODEM
- Size: 200.00 x 150.00 x 30 mm
- Power: 110/220 VAC 50/60Hz 20W
- Connectors : SMA(f)
- ETSI - Radio: EN 301502 (GSM), TS 101087 (GSM), EN 300609-4 (GSM),
EN 301908-1 (UMTS), EN 301908-11 (UMTS), TS 125143 (UMTS)
- ETSI - EMC: EN 301489-1, EN 301489-7 (GSM), EN 301489-23 (UMTS)



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Ultra Compact Repeaters - Band Selective

Technical Specifications

- Model : CBDAA-1A1S
- Frequency: AWS 1710-1755MHz/2110-2155MHz
- Bandwidth : Factory preset, 5MHz to 35MHz,
center frequency adjustable via USB in
25KHz steps.
- Gain : 70dB
- Manual gain adjustment: 18dB in 3dB steps
- AGC: 20dB range.
- Composite output power: +20dBm
- DL output power indicator: Via USB
- Feedback indicator: Via USB
- OIP3: > +44dBm
- IMD and spurious: < -13dBm
- Noise figure : <6dB
- VSWR: 1.5:1 max
- Remote control: Yes, as optional, wireless MODEM
- Size: 200.00 x 150.00 x 30 mm
- Power: 110/220 VAC 50/60Hz 20W
- Connectors : SMA(f)
- FCC: 47 CFR Part 27

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