

## Features

- High linearity & low noise amplifiers for maximal coverage
- High gain up to 90 dB
- Software GUI control
- Simple installation
- Automatic Gain Control (AGC)
- Automatic gain balance for UL & DL channels
- Designed to transmit EGSM signal.



## Product Description

Cellvine's compact indoor & Outdoor repeater has been designed to enhance and extend cellular coverage into small and medium size buildings, restaurants, underground areas, office buildings and other similar indoor or outdoor environments

The unit is simple to install to obtain maximal coverage.

The unit has a build with controller that can be accessed by a local RS232 port or by a remote terminal using a modem (optional)\*

\*When using a GSM modem the repeater can be controlled by a remote PC terminal using Cellvine's GUI and management system. In this mode alarms can be managed from remote.

### Optional Features:

M-Cellular GSM Modem.

The remote control using a modem option Requires additional modem unit which is not Included in the basic model.

## Specifications

Parameter		Specifications
Frequency Range	Down	GSM : 935.1 – 944.9
	Up	GSM : 890.1 – 899.9
Composite output power		DL 40 dBm UL 26 dBm
System Max Gain		90 dB DL 90 dB UL
Pass Band Ripple		4dB p-p
Noise Figure @Max Gain		< 5 db DL/UL
Out of band Gain <i>From end of frequency band</i>		400 kHz - 70 dB 600 kHz - 60 dB 1Mhz - 35 dB 5 Mhz - 30 dB
OIP3		DL 59 dBm UL 46 dBm
Out of band Spurious		9Khz-1Ghz : ≤ -36dBm 1-12.75Ghz ≤ -30dBm
Gain Range		30dB , in 1dB step
VSWR		2:1 MAX
Operating Conditions		-20 to +50C , ambient
Repeater Control		Set or Read repeater parameters, Alarms and status using GUI from local PC/Laptop or remotely Using cellular modem (optional).
<i>Software Control By RS232 interface or Optional Remote PC using a modem</i>		<b>Available Readouts:</b> Forward power, Channel Gain, Alarms. <b>Available Control functions :</b> Repeater Max Gain, UL Gain (AGC Off Mode only), DL gain (AGC Off Mode only), AGC power, AGC mode, Alarm setting, Mute. <b>Alarms :</b> Low TX power, UL/DL High, Door, Mute, VSWR.
Dimension		400mmX500mmX200mm , waterproof case IP65
Power Requirements		220V AC
RF Connector		Base - N female Mobile – N female