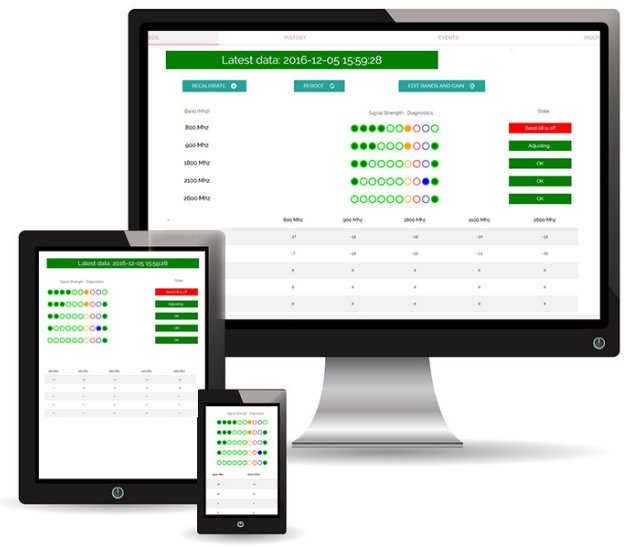
i-Lineamp

Control and monitor all your lineamps through the cloud



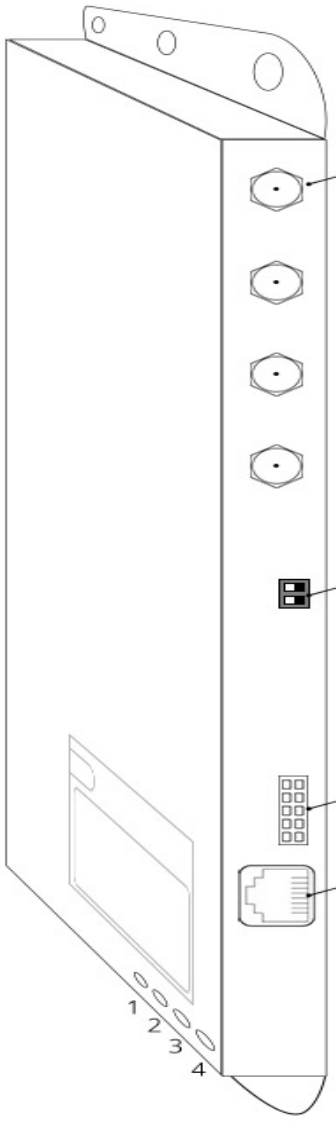
GSM , H+, 4G

800/900/1800/2100/2600Mhz

Cloud control and monitoring

Touch screen interface

Diagrams



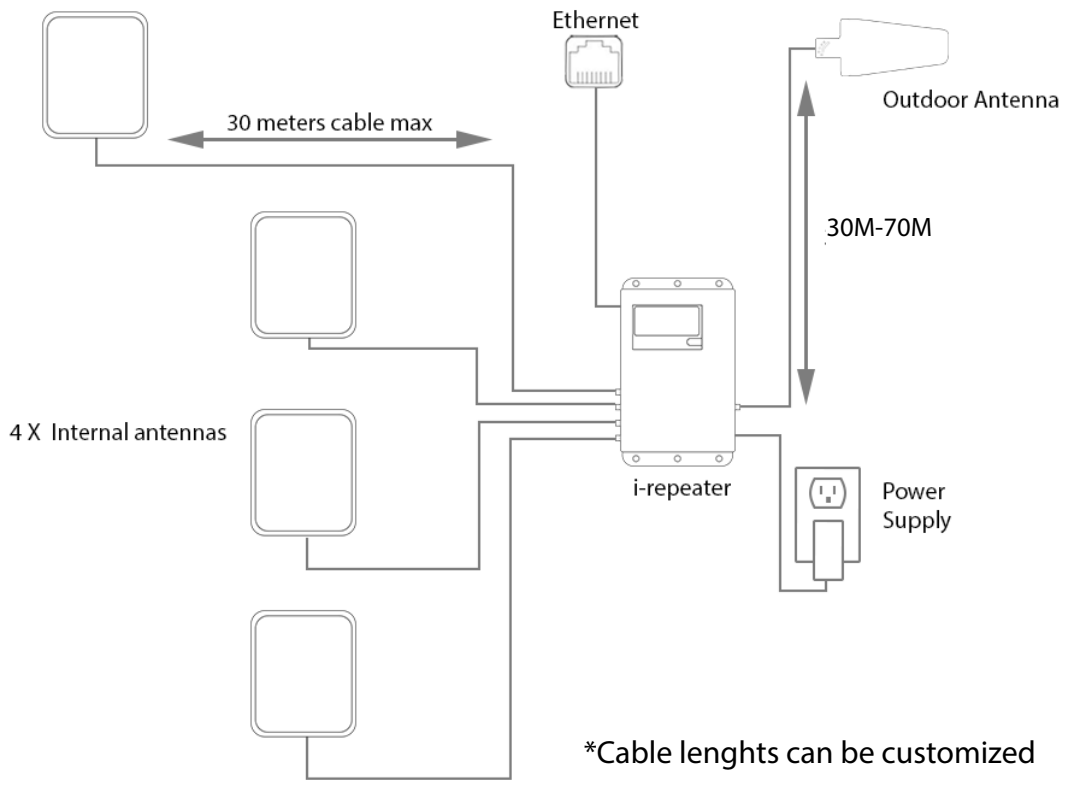
SMA ports for internal antennas X4

Battery enable

Debugging port

Connect ethernet cable here

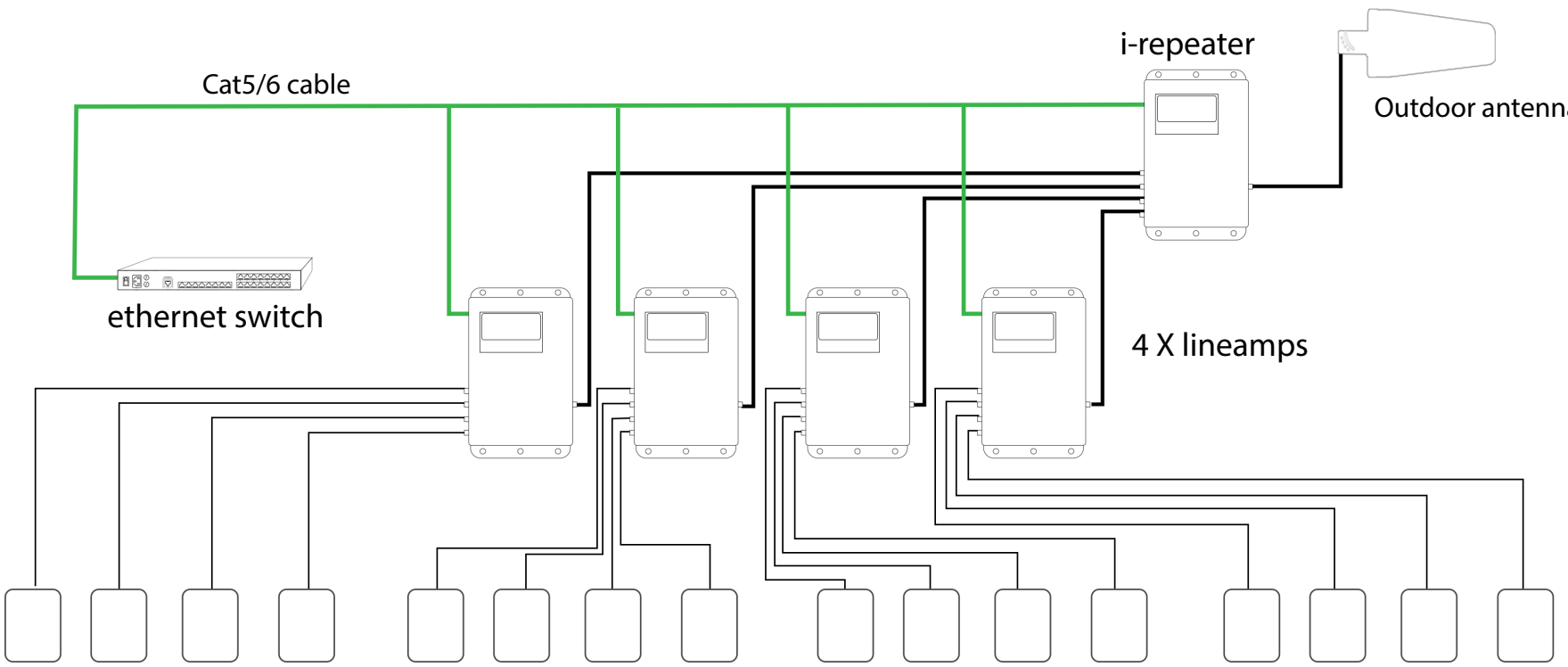
LED 1 : 12V Power
LED 2: System error.
LED 3: Connected to internet server.
LED 4: System running OK



*Cable lenghts can be customized

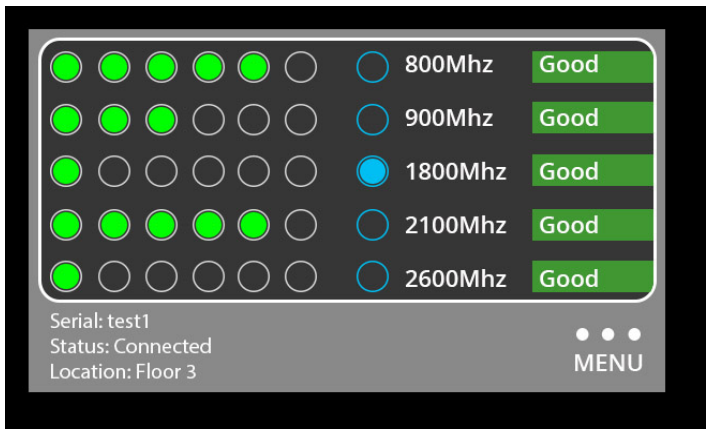
Example system for a large building

i-repeater and 4 X i-lineamps all internet controlled

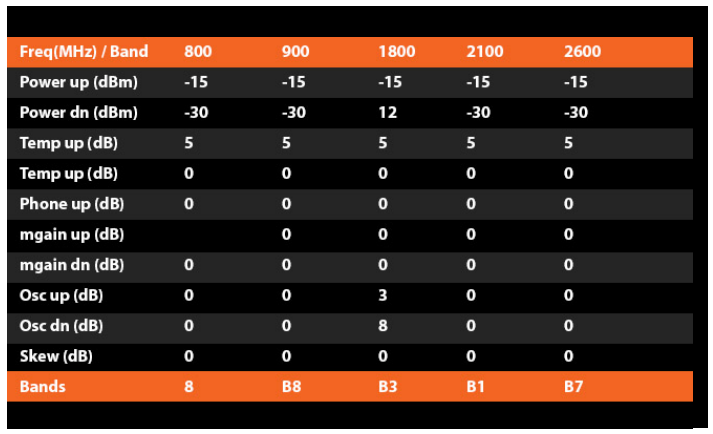


16 internal antennas - Coverage 1000m2 X 16

TouchScreen LCD Panel

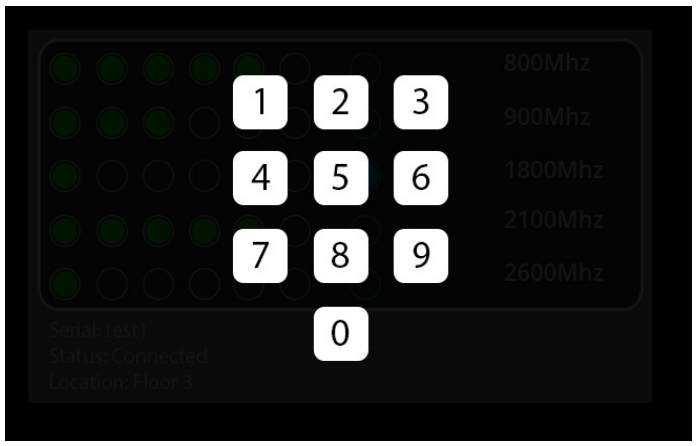


Main page:
Green signal LEDs = downlink signal strength .
Blue LED = Uplink switch on



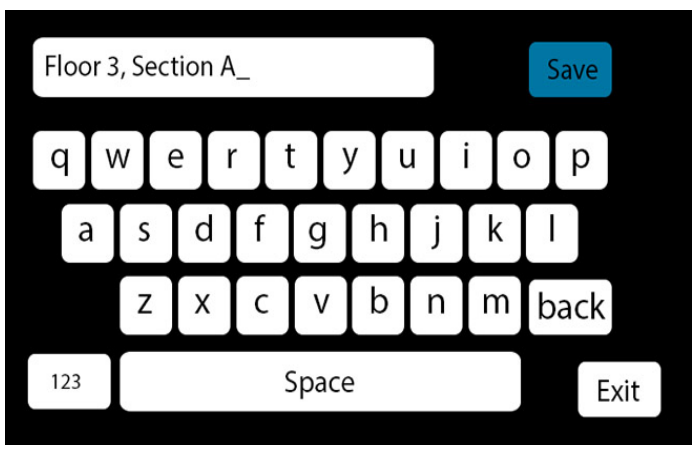
Freq(MHz) / Band	800	900	1800	2100	2600
Power up (dBm)	-15	-15	-15	-15	-15
Power dn (dBm)	-30	-30	12	-30	-30
Temp up (dB)	5	5	5	5	5
Temp up (dB)	0	0	0	0	0
Phone up (dB)	0	0	0	0	0
mgain up (dB)		0	0	0	0
mgain dn (dB)	0	0	0	0	0
Osc up (dB)	0	0	3	0	0
Osc dn (dB)	0	0	8	0	0
Skew (dB)	0	0	0	0	0
Bands	8	B8	B3	B1	B7

Decibel page:
See the internal dB values in the lineamp.
Useful for indepth diagnostics.

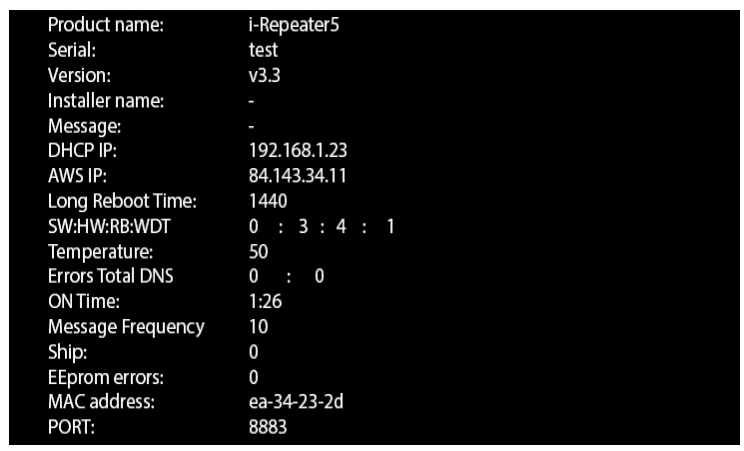


Set up pins:
Admin , installer, user pin code
Different levels of access
Default access pin is: 8888

Control page:
Switch on / off bands
Attenuate bans



Print Location of lineamp.
Print the location of the repeater in the building. This information will then be seen on the online dashboard.



Product name:	i-Repeater5
Serial:	test
Version:	v3.3
Installer name:	-
Message:	-
DHCP IP:	192.168.1.23
AWS IP:	84.143.34.11
Long Reboot Time:	1440
SW:HW:RB:WDT	0 : 3 : 4 : 1
Temperature:	50
Errors Total DNS	0 : 0
ON Time:	1:26
Message Frequency	10
Ship:	0
EEprom errors:	0
MAC address:	ea-34-23-2d
PORT:	8883

Info page:
Data about the lineamp.

Online Dashboard Panel

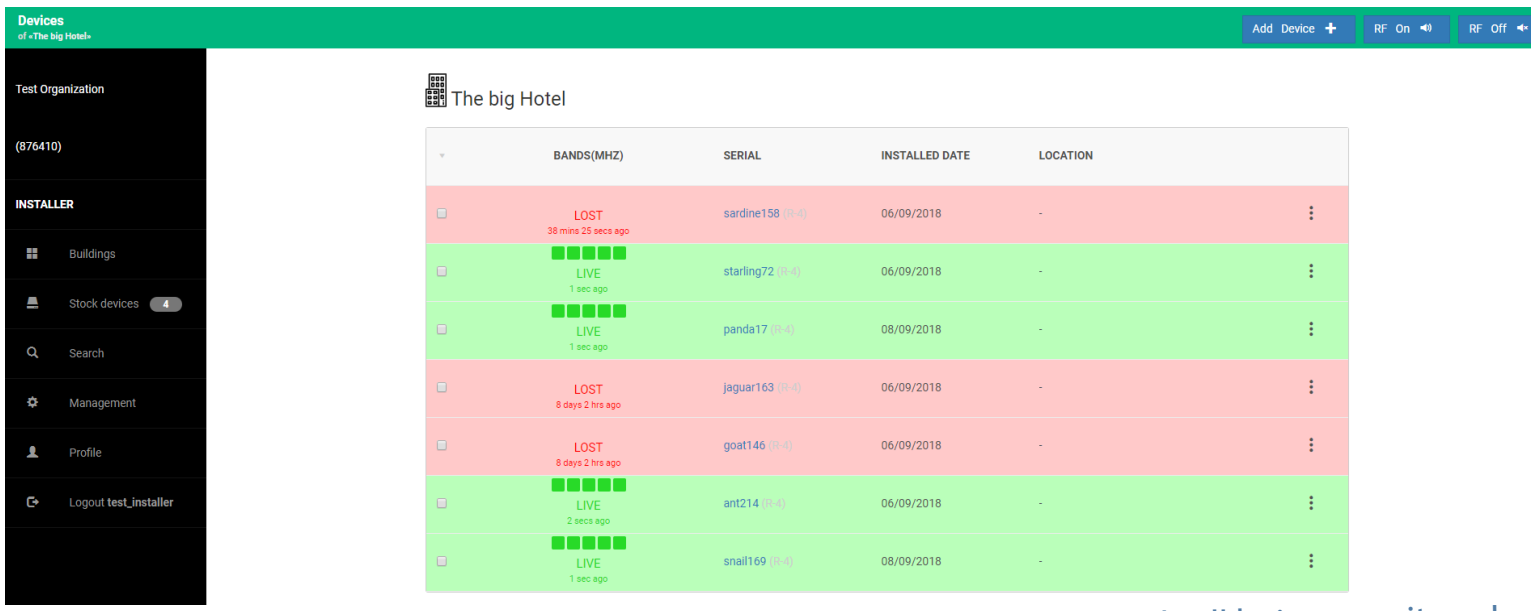
Login to:

www.stellacontrol.com

1) Register your new i-lineamp to your account by “adding new device”.

2) Create a new building and link your new lineamp(s) to your new building.

3) Now you can monitor and control all your repeaters and lineamps.



This image shows several repeaters and lineamps installed in “the big hotel”, all being monitored

Alerts:

- Get alerted by email if there is any issues with your devices.

Remote Control from any computer/ phone:

- Switch On/Off, individual bands of any repeater / lineamp.
- Switch off RF for one or all repeaters/limeamps in a building.
- Attenuate individual bands in any repeater/lineamp by up to 18dB’s.

Monitor:

- Up/Downlink Power
- Up/Downlink Gains
- Up/Downlink AGC
- Up/Downlink Oscillations/feedback
- Temperature on PCB board

StellaDoradus
Mobile Signal Booster manufacturers

iLineamp Specification

Model number:	iLA-LGDWH-4P
Frequency	800/900/1800/2100/2600
Remote monitoring:	Yes

Frequency Specifications:

Frequency bands(Mhz):	(791-862) + (880-960) + (1710-1880) + (1.92-2.17) + (2500-2690)
Coverage:	(1000m^2 per antenna X 4) = ~15 rooms
Number of People:	Unlimited
Gain:	Uplink Gp > 20dB Downlink Gp> 20dB
Pass band ripple:	< 4dB
I/O impedance:	50 ohm/SMA female connector
Max uplink/downlink signal strength:	-25dBm / 10dBm
Ambient Temperature:	-30°C to +70°C
Power supply input:	110 - 240V AC
Power supply output:	12v DC
Oscillation Control	Automatic
Level Control:	Automatic*
Uplink Switch Off	Yes**
AGC Range	30db
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected

Power Supply Specification:

AC	100-240V	50-60Hz
DC input	12V	3.6A
Typical power usage		33W

Mechanical Specification:

Length	35cm
Width	30cm
Depth	4.4cm
Weight	2kg
Mounting	6 x 5mm holes for mounting

* Automatically adjusts during installation. Thereafter, automatically adjusts for seasonal variation in pathloss between basestation and outdoor antenna.

** The up-link amplifiers switch off when the repeater is not in use. This reduces the uplink noise to almost zero. When the repeater is in use (eg. phone call being made), the up-link amplifier switches on for the duration of the call and a blue LED switches on indicating this is the case.

Note: Specifications subject to change without notice.