



## Tri Band 900 1800 2100MHz Selective RF Repeater

### OVERVIEW

ATNJ RF repeater with industrial design, combines multi mobile network signals together and improves the mobile voice and data communication, aiming to provide a more cost-effective solution for signal. ATNJ RF repeater is easy to install and maintain, which could help signal providers get fast solution.

A repeater is working as a relay between the BTS and mobiles. It picks up the strongest signal from BTS via the Donor Antenna, linearly amplifies the signal and then re-transmits it via the Indoor Signal Distribution System to the weak/blind coverage area. And the mobile signal is also amplified and re-transmitted to the BTS via the opposite direction.

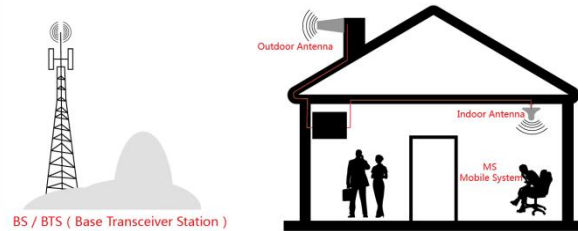
### FEATURES

- Improve any three mobile networks at the same time
- LCD display the input/output signal strength
- Auto isolation detection
- Auto gain control
- Auto level control
- Supports from 0.2 to 30MHz bandwidth adjusted(Customized).
- Center frequency movable
- Smart LCD to guide the installation
- Wifi control and monitor

### WHERE TO USE

- Indoor: Hotels, Exhibition Centers, Basement, Parking Lots, Shopping Malls, Apartments..
- Outdoor: Airport, Tunnel, Village, Mining Area, Court, Tourism Area..

# APPLICATION SCENE

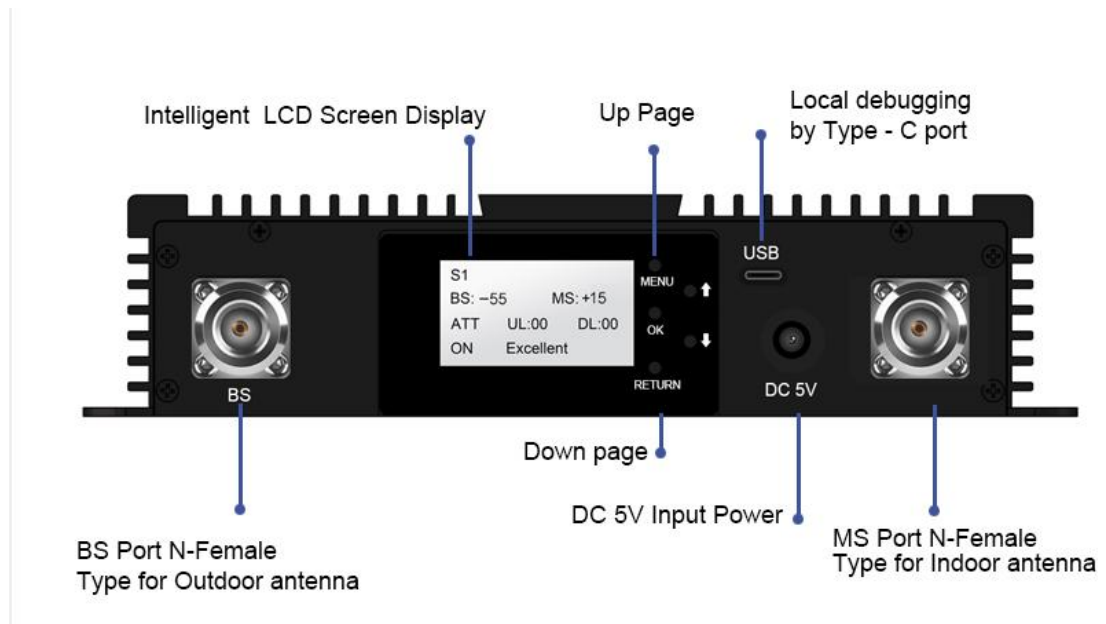


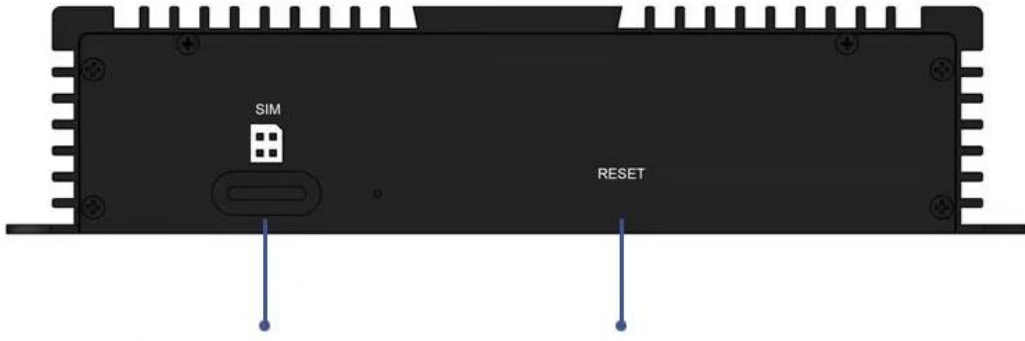
## Technical Specification

SPECIFICATIONS		PARAMETERS	
Frequency Range	900MHz	UL:890 - 910MHz, DL:935 - 955MHz	
	1800MHz	UL:1710 - 1730MHz, DL:1805 - 1825MHz	
		UL:1745 - 1765MHz, DL:1840 - 1860MHz	
	2100MHz	UL:1960 - 1980MHz, DL:2150 - 2170MHz	
Bandwidth	900MHz	20MHz , Supports from 0.2 to 20MHz adjusted	
	1800MHz	20MHz&20MHz , Supports 2*20MHz from 0.2 to 20MHz adjusted	
	2100MHz	20MHz , Supports from 0.2 to 20MHz adjusted	
Gain	UL:65dB DL:70dB		
Output Power	UL:15dBm DL:≥17dBm		
Automatic Gain Control	31dB		
MGC (Step Attenuation)	20dB@ 1dB/Step		
Spurious Emission	9 kHz -150 kHz/1kHz	≤-36dBm	
	150 kHz - 30 MHz/10kHz	≤-36dBm	
	30 MHz - 1 GHz/100kHz	≤-36dBm	
	1 GHz- 12.75 GHz/1MHz	≤-30dBm	
ACPR	Downlink Fully comply with 3GPP 36.106		
	Fully comply with 3GPP 36.106		
Unwanted emissions	Fully comply with 3GPP 36.106		
Out Of Band Gain	900MHz	1MH≤f_offset<5MHz, UL:≥30 dB,DL:≤ 30 dB	
	1800MHz	1MH≤f_offset<5MHz, UL:≥ 30 dB,DL:≤ 30 dB	
	2100MHz	1MH≤f_offset<5MHz, UL:≥ 30 dB,DL:≤ 30 dB	
EVM	≤8		
VSWR	≤2		
Ripple	900MHz	≤6dB	

	1800MHz	≤6dB
	2100MHz	≤6dB
Noise Figure		≤8dB
Delay		≤3 μ s
I/O Impedance		50Ohm
RF Connector(Customers to Choose)		N -Type (Female)
Remote Control		Cloud WEB platform
Local Control		WiFi/Type-C port
Operating Temperature		-25°~+55°
Power Supply		DC 5V/5A
Power consumption		≤75W
Environment Conditions		IP43
Humidity		≤90%
Weight		≤3kg
Size		234*230*52 (mm)

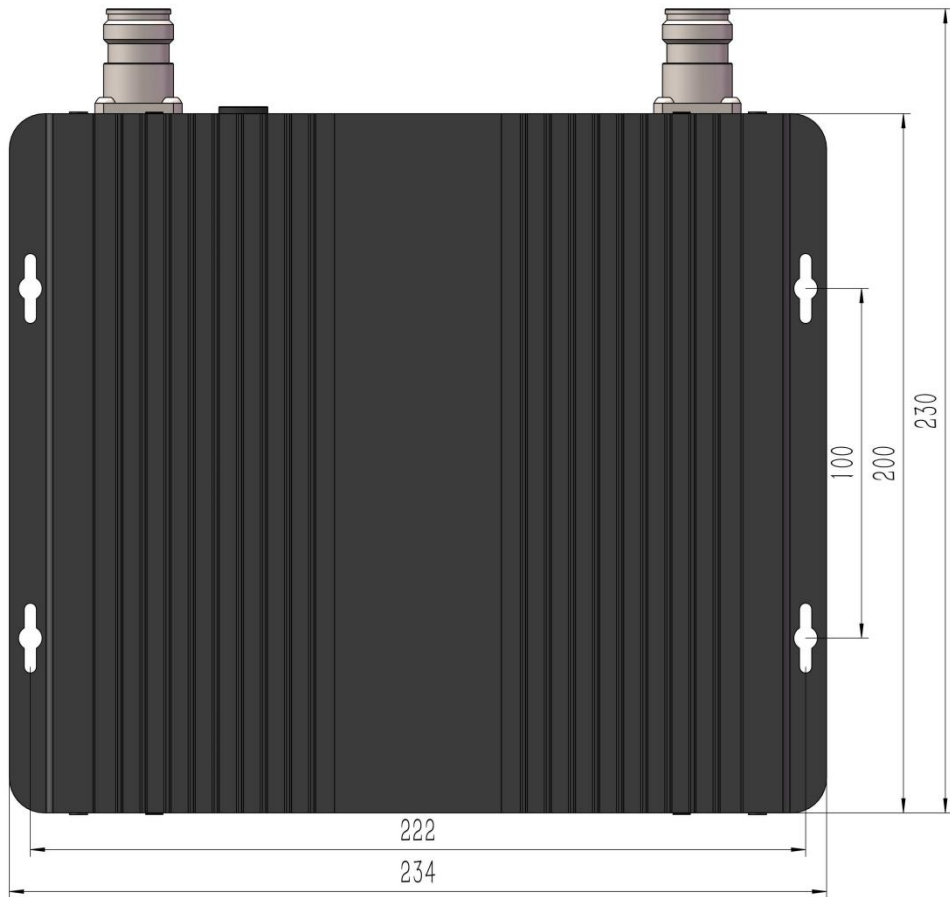
## Products images:





SIM slot for NMS remote debugging bay SIM card

Poke in the port for resetting

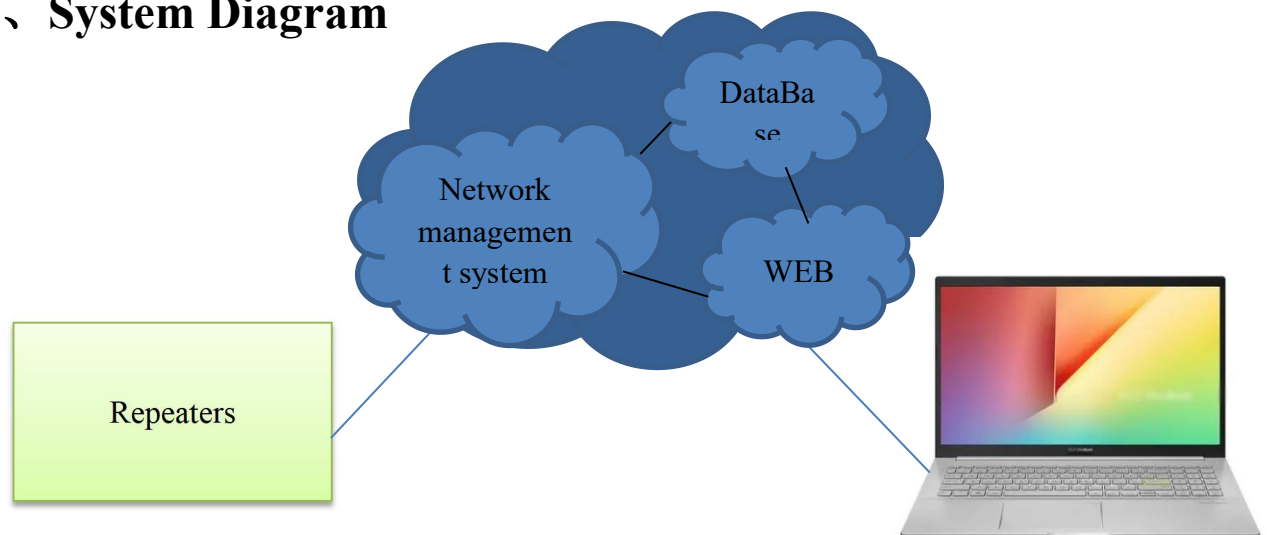


## Cloud WEB platform device management system:

### 1、 Overview

The system platform is based on cloud deployment, and the device accesses the Internet to communicate with the system platform. Users can query and set the device by browsing the website.

### 2、 System Diagram



The repeater device accesses the Internet through the communication module. The NMS collects the device information and writes it into the database. The website connects to the database to display the device information to the user interface. By connecting to the network management system, the device can be queried and set.

### 3、 System Feature

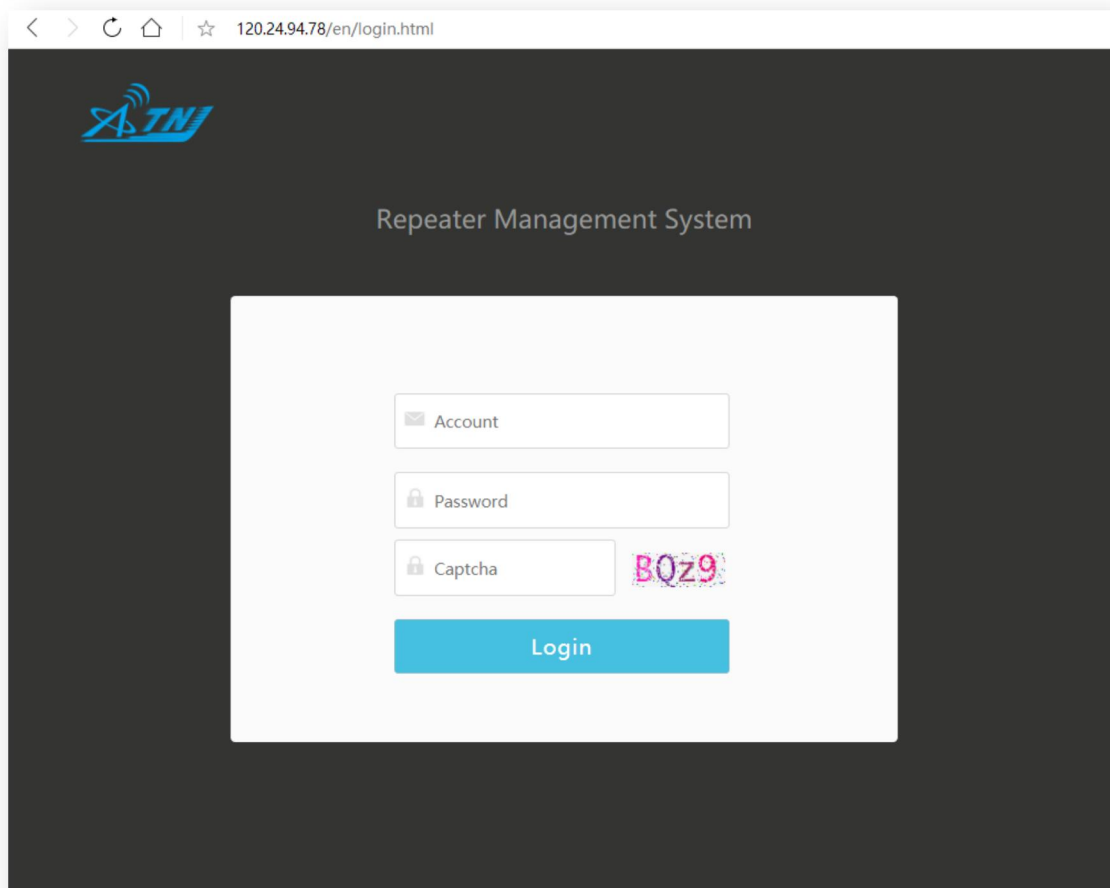
- ①The remote transmission of the equipment adopts GPRS/LTE, which makes the data transmission more efficient.
- ②B/S framework, users do not need to install additional software, logged in and used by a browser.
- ③The platform adopts cloud framework, which saves cost and makes maintenance easier.
- ④Hierarchical user management, system management and common users have

different functional rights.

## 4. Website login instructions

### 4.1 Website login in

Pls visit this website by Google Chrome, site: <http://120.24.94.78/en/login.html>



The screenshot shows a web browser window with the address bar displaying "120.24.94.78/en/login.html". The page features the ATN logo in the top left corner. The main heading is "Repeater Management System". Below this, there is a white login form with three input fields: "Account" (with an envelope icon), "Password" (with a lock icon), and "Captcha" (with a lock icon). To the right of the Captcha field is a pinkish-purple captcha image showing the characters "BQz9". Below the input fields is a blue "Login" button.

### 4.2 Equipment

#### 4.2.1 Equipment List

In the equipment list, you can view all devices, edit, delete, and operate equipment

**ATN** Repeater Management System Welcome, admin! [Log out]

- **Equipment**
  - Equipment List
  - Equipment Add
- **User**
  - User List
  - User Add
- **Polling**
  - Polling List
  - Polling Add
  - Polling History
- **Logs**
  - Alarm Logs
  - Operation Logs
- **Configure**
  - Protocol Parameter
  - About Us


Device List:

Search by Area ID  Search by Site ID  [Search Equipment](#)

Area ID	Site ID	Sub ID	Repeater Modem Number	Site Name	Status	Operation
0	5	0	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	5	1	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	5	2	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	5	3	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	5	4	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	0	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	1	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	2	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	3	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	4	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	150	0	5	1	<span style="color: red;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	150	1	5	1	<span style="color: red;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	150	2	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	150	3	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	150	4	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	100	0	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	100	1	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	100	2	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>

### 4.2.2 Operation- Edit

On the right of the equipment list, select the site you want to operate and click "Edit" to enter the site editing page for editing the site.


 **Repeater Management System** Welcome, admin! [Log out]

- **Equipment**
  - Equipment List
  - Equipment Add
- **User**
  - User List
  - User Add
- **Polling**
  - Polling List
  - Polling Add
  - Polling History
- **Logs**
  - Alarm Logs
  - Operation Logs

Device List:

Search by Area ID  Search by Site ID  Search Equipment

Area ID	Site ID	Sub ID	Repeater Modem Number	Site Name	Status	Operation
0	5	0	5	1	💡	<span style="border: 1px solid red; padding: 2px;">Edit</span> Delete Operation
0	5	1	5	1	💡	Edit Delete Operation
0	5	2	5	1	💡	Edit Delete Operation
0	5	3	5	1	💡	Edit Delete Operation
0	5	4	5	1	💡	Edit Delete Operation
0	4	0	5	1	💡	Edit Delete Operation
0	4	1	5	1	💡	Edit Delete Operation
0	4	2	5	1	💡	Edit Delete Operation
0	4	3	5	1	💡	Edit Delete Operation

 **Repeater Management System**

- **Equipment**
  - Equipment List
  - Equipment Add
- **User**
  - User List
  - User Add
- **Polling**
  - Polling List
  - Polling Add
  - Polling History
- **Logs**
  - Alarm Logs
  - Operation Logs
- **Configure**
  - Protocol Parameter
  - About Us

<b>*Area ID[Decimal]</b>	<input type="text" value="0"/>
<b>*Site ID[Decimal]</b>	<input type="text" value="5"/>
<b>*Sub ID[Decimal]</b>	<input type="text" value="0"/>
<b>Device Type</b>	<input type="text" value="1.Wideband Repeater"/>
<b>IP Address</b>	<input type="text" value="192.168.1.1"/>
<b>Port</b>	<input type="text" value="20750"/>
<b>Repeater Modem Number</b>	<input type="text" value="5"/>
<b>Site Name</b>	<input type="text" value="1"/>
<b>Site Address</b>	<input type="text"/>
<b>Communicate Mode</b>	<input type="text" value="0.Local RS232"/>
<b>Serial Port</b>	<input type="text"/>
<b>Factory</b>	<input type="text"/>
<input type="button" value="OK"/> <input type="button" value="CANCEL"/>	

After edit, click“OK”means confirm setting, click“CANCEL” means cancel the setting.



### 4.2.3 Operation- Delete


On the right side of the equipment list, select the site to be operated and click "Delete". The system will pop up a confirmation window. Click "Confirm" to delete the site and click "Cancel" to return.

The screenshot shows the 'Repeater Management System' interface. On the left is a navigation menu with categories: Equipment, User, Polling, and Logs. The main content area displays a 'Device List' table with search filters for Area ID and Site ID. The table contains 9 rows of equipment data. The 'Delete' link in the first row is highlighted with a red box. Below the table, a confirmation dialog is displayed with the text '120.24.94.78 显示 Will you delete the repeater site?' and two buttons: '确定' (Confirm) and '取消' (Cancel).

Area ID	Site ID	Sub ID	Repeater Modem Number	Site Name	Status	Operation
0	5	0	5	1	🟢	Edit <b>Delete</b> Operation
0	5	1	5	1	🟢	Edit Delete Operation
0	5	2	5	1	🟢	Edit Delete Operation
0	5	3	5	1	🟢	Edit Delete Operation
0	5	4	5	1	🟢	Edit Delete Operation
0	4	0	5	1	🟢	Edit Delete Operation
0	4	1	5	1	🟢	Edit Delete Operation
0	4	2	5	1	🟢	Edit Delete Operation

### 4.2.4 Operation-Operation

On the right of the equipment list, select the site you want to operate and click "Operation" to go to the device management page.

 **Repeater Management System** Welcome, admin! [Log out]

- **Equipment**
- Equipment List
- Equipment Add
- **User**
- User List
- User Add
- **Polling**
- Polling List
- Polling Add
- Polling History
- **Logs**
- Alarm Logs
- Operation Logs
- **Configure**
- Protocal Parameter
- About Us

Device List:

Search by Area ID  Search by Site ID  Search Equipment

Area ID	Site ID	Sub ID	Repeater Modem Number	Site Name	Status	Operation
0	5	0	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	5	1	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	5	2	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	5	3	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	5	4	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	0	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	1	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	2	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	3	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	4	4	5	1	<span style="color: green;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	150	0	5	1	<span style="color: red;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>
0	150	1	5	1	<span style="color: red;">●</span>	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Operation</a>

The RePeater Info, Monitor Info, Alarm Enable, Alarm Info, RF Para, RF Status, and Misc Staunts are included

You can click the "Query Paramater List" button to obtain the device monitoring list

Tick the items to be queried and press "Inquiry" to query.

Tick the items to be set and press "Setting" to set them.

The screenshot shows the 'Repeater Management System' interface. The top header includes the ATN logo, the system name, and a user greeting 'Welcome, admin! [Log out]'. The left sidebar contains a menu with categories: Equipment (Equipment List, Equipment Add), User (User List, User Add), Polling (Polling List, Polling Add, Polling History), Logs (Alarm Logs, Operation Logs), and Configure (Protocol Parameter, About Us). The main content area displays 'Device Operation: Site Name:1 Site ID:5 Sub ID:0' and a navigation bar with tabs: Repeater Info (selected), Monitor Info, Alarm Enable, Alarm Info, RF Para, RF Status, and Misc Status. Below the tabs are buttons for 'Query Parameter List', 'Inquiry', and 'Setting'. A table lists parameters with their remote values, units, times, statuses, and types.

<input type="checkbox"/>	Parameter	Remote Value	Unit	Time	Status	Type
<input type="checkbox"/>	Manufacturer				Success	3
<input type="checkbox"/>	Device Type				Success	3
<input type="checkbox"/>	Model Number				Success	2
<input type="checkbox"/>	Product SN				Success	2
<input type="checkbox"/>	Longitude		°		Success	6
<input type="checkbox"/>	Latitude		°		Success	7
<input type="checkbox"/>	Firmware Version		0		Success	2

## 4.2.5 Equipment Add

Add a Site. The Area ID, Site ID, and Sub ID are mandatory.

## 4.3 User

### 4.3.1 User List

The user list can be viewed, edited, and deleted.

User Name	Password	Group ID	Sex	Email	Telephone	CreateDate	Operation
Guests	123456	Guests	Male	mr.wensheng@gmail.com	0918888119	2019-01-08 18:26:24	Edit Delete

## 4.3.2 User Add

User Add

The screenshot shows the 'User Add' form in the Repeater Management System. The interface includes a sidebar menu with categories: Equipment, User, Polling, Logs, and Configure. The main content area contains a form with the following fields: \*User Name (text input), \*Password (text input), Group ID (dropdown menu with 'Guests' selected), Sex (dropdown menu with 'Male' selected), \*Email (text input), and Telephone (text input). At the bottom of the form are 'OK' and 'CANCEL' buttons. The top right of the page displays 'Welcome, admin! [Log out]'.

## 4.4 Polling

### 4.4.1 Polling List

Poll the task list

The screenshot shows the 'Polling List' table in the Repeater Management System. The table has columns for ID, Area ID, Site ID, Sub ID, Site Name, Polling Time, Attempts, Status, and Operation. There are two rows of data. A 'New Polling' button is located in the top right corner of the table area. The top right of the page displays 'Welcome, admin! [Log out]'.

ID	Area ID	Site ID	Sub ID	Site Name	Polling Time	Attempts	Status	Operation
1	0	150	0	1	00:00:00 ~ 00:59:59	1	Success	<a href="#">Details</a> <a href="#">Delete</a>
2	0	140	0	1	00:00:00 ~ 00:59:59	1	Success	<a href="#">Details</a> <a href="#">Delete</a>

## 4.4.2 Polling Add

Add a polling task

**Repeater Management System** Welcome, admin! [Log out]

**Equipment**

- Equipment List
- Equipment Add

**User**

- User List
- User Add

**Polling**

- Polling List
- Polling Add
- Polling History

**Logs**

- Alarm Logs
- Operation Logs

**Configure**

- Protocol Parameter
- About Us

Site Select: 0-150-0-1

Polling Time: 00:00:00 ~ 00:59:59

Retry: 1

Polling Parameter:

- Master Power Failure
- Low Battery Power Alarm
- UL LNA Failure
- DL LNA Failure
- UL PA Failure
- DL PA Failure
- Host/Slave Equipment Control Comm.Failure
- RU 1 Offline Alarm
- RU 2 Offline Alarm
- RU 3 Offline Alarm
- RU 4 Offline Alarm
- RU 5 Offline Alarm
- RU 6 Offline Alarm
- RU 7 Offline Alarm
- RU 8 Offline Alarm
- Oscillation Alarm
- Band2/ CH2 DL Low I/P Alarm
- Band2/ CH2 DL Low O/P Alarm
- Band3/ CH3 DL Low I/P Alarm
- Band3/ CH3 DL Low O/P Alarm
- Band4/ CH4 DL Low I/P Alarm
- Band4/ CH4 DL Low O/P Alarm

OK CANCEL

## 4.4.2 Polling History

**Repeater Management System** Welcome, admin! [Log out]

**Equipment**

- Equipment List
- Equipment Add

**User**

- User List
- User Add

**Polling**

- Polling List
- Polling Add
- Polling History

Polling History:

ID: Site ID  Search Start: 年/月/日 --:-- End: 年/月/日 --:-- Search Export

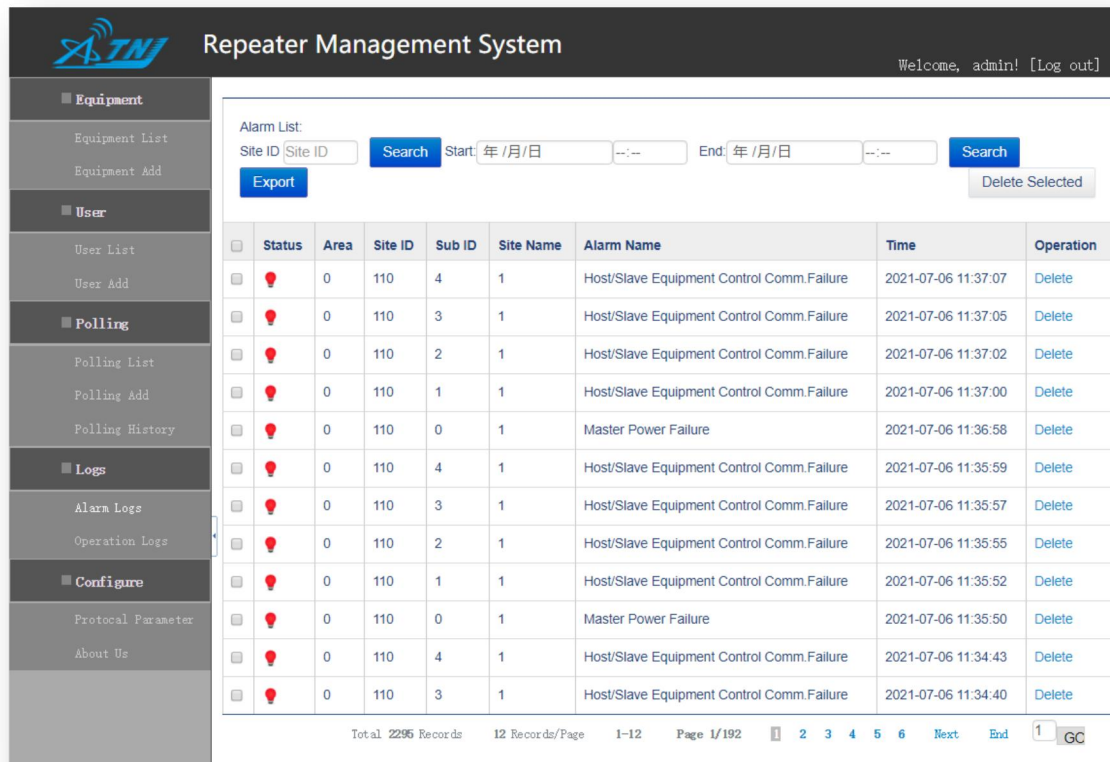
Delete Selected

<input type="checkbox"/>	Site ID	Sub ID	Site Name	Mold	Parameter	Value	Time	Operation
Total 0 Records 0 Records/Page 0-0 Page 0/0								

## 4.5 Logs

### 4.5.1 Alarm Logs

You can view and delete alarm logs



The screenshot shows the 'Repeater Management System' interface. The top header includes the ATN logo, the system name, and a user greeting 'Welcome, admin! [Log out]'. The left sidebar contains a navigation menu with categories: Equipment (Equipment List, Equipment Add), User (User List, User Add), Polling (Polling List, Polling Add, Polling History), Logs (Alarm Logs, Operation Logs), and Configure (Protocol Parameter, About Us). The 'Alarm Logs' section is active, displaying a table of records. Above the table is a search and export section with fields for Site ID, Start/End dates, and buttons for Search, Export, and Delete Selected.

<input type="checkbox"/>	Status	Area	Site ID	Sub ID	Site Name	Alarm Name	Time	Operation
<input type="checkbox"/>	🔴	0	110	4	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:37:07	Delete
<input type="checkbox"/>	🔴	0	110	3	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:37:05	Delete
<input type="checkbox"/>	🔴	0	110	2	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:37:02	Delete
<input type="checkbox"/>	🔴	0	110	1	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:37:00	Delete
<input type="checkbox"/>	🔴	0	110	0	1	Master Power Failure	2021-07-06 11:36:58	Delete
<input type="checkbox"/>	🔴	0	110	4	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:35:59	Delete
<input type="checkbox"/>	🔴	0	110	3	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:35:57	Delete
<input type="checkbox"/>	🔴	0	110	2	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:35:55	Delete
<input type="checkbox"/>	🔴	0	110	1	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:35:52	Delete
<input type="checkbox"/>	🔴	0	110	0	1	Master Power Failure	2021-07-06 11:35:50	Delete
<input type="checkbox"/>	🔴	0	110	4	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:34:43	Delete
<input type="checkbox"/>	🔴	0	110	3	1	Host/Slave Equipment Control Comm.Failure	2021-07-06 11:34:40	Delete

Total 2295 Records    12 Records/Page    1-12    Page 1/192    1 2 3 4 5 6 Next End 1 GC

### 4.5.1 Operation Logs

You can view and delete operation logs

**ATN Repeater Management System** Welcome, admin! [Log out]

- **Equipment**
  - Equipment List
  - Equipment Add
- **User**
  - User List
  - User Add
- **Polling**
  - Polling List
  - Polling Add
  - Polling History
- **Logs**
  - Alarm Logs
  - Operation Logs
- **Configure**
  - Protocol Parameter
  - About Us

Alarm List:

Search by Area ID  Search by Site ID

<input type="checkbox"/>	Area Id	Site Id	Sub Id	Site Name	Parameter	Parameter Value	Time	Operation
<input type="checkbox"/>	0	1100	255	1	PA 3 Switch	1	2021-07-05 18:07:10	Delete
<input type="checkbox"/>	0	1100	255	1	PA 2 Switch	1	2021-07-05 18:07:10	Delete
<input type="checkbox"/>	0	1100	255	1	PA 3 Switch	0	2021-07-05 18:06:52	Delete
<input type="checkbox"/>	0	1100	255	1	PA 2 Switch	0	2021-07-05 18:06:52	Delete
<input type="checkbox"/>	0	120	0	1	EU 4 Switch	1	2021-07-05 17:38:54	Delete
<input type="checkbox"/>	0	120	0	1	EU 3 Switch	1	2021-07-05 17:38:54	Delete
<input type="checkbox"/>	0	120	0	1	EU 2 Switch	1	2021-07-05 17:38:54	Delete
<input type="checkbox"/>	0	110	0	1	EU 4 Switch	1	2021-07-05 16:50:55	Delete
<input type="checkbox"/>	0	110	0	1	EU 3 Switch	1	2021-07-05 16:50:13	Delete
<input type="checkbox"/>	0	110	0	1	EU 2 Switch	1	2021-07-05 16:50:01	Delete
<input type="checkbox"/>	0	100	0	1	EU 3 Switch	1	2021-07-05 16:30:49	Delete
<input type="checkbox"/>	0	100	0	1	EU 2 Switch	1	2021-07-05 16:30:37	Delete

Total 106 Records    12 Records/Page    1-12    Page 1/9

## 4.6 Configure

### 4.6.1 Protocol Parmeter

You can view, modify, and add monitoring parameters.



The screenshot displays the 'Repeater Management System' interface. The top header includes the ATN logo, the system name, and a user greeting 'Welcome, admin! [Log out]'. A left sidebar contains navigation menus for 'Equipment', 'User', 'Polling', 'Logs', and 'Configure'. The main content area shows a 'Parameter List' table with tabs for 'Repeater Info', 'Monitor Info', 'Alarm Enable', 'Alarm Info', 'RF Para', 'RF Status', 'Misc Status', and 'New Parameter'. The 'Repeater Info' tab is active, showing a table with 10 columns: Moid, Name, Read-Only, Type, Length, Value, Alarm Level, Unit, and Operation. The table lists various parameters such as Manufacturer, Device Type, Model Number, Product SN, Actual Channel Counts, Longitude, Latitude, MOID List, and Firmware Version.

Moid	Name	Read-Only	Type	Length	Value	Alarm Level	Unit	Operation
0x0002	Manufacturer	False	U1	1	0	0		Edit
0x0003	Device Type	False	U1	1		0		Edit
0x0004	Model Number	True	T20	20	0	0		Edit
0x0005	Product SN	False	T20	20	0	0		Edit
0x0006	Actual Channel Counts	False	U1	1	0	0		Edit
0x0007	Longitude	False	O20	20	E1		°	Edit
0x0008	Latitude	False	N20	20	N1		°	Edit
0x0009	MOID List	True						Edit
0x000A	Firmware Version	True	T20	20	0	0	0	Edit

## 4.6.2 About us

Software information.

## Local Management System

① After the signal repeater is started, a Wifi access point would be created.

Please use phone to connect th WIFI, password: 12345678

After connecting with the WIFI, use browser of mobile phone to visit [192.168.3.1](http://192.168.3.1).

Input [Equipment number: 255](#) to log in (click Query).



Query Parameter list

Site ID

Equipment No

Cancel Query



②Then you could see the control page.

Page 1 = Device information,  
For manufacturer code / device type / model number / Product SN / FW Version,  
these can be customized.



③ Page 2 = Site

It shows information of the base station, its location and station number



④ Page 3 = Alarm function, alarm if any failure of device.

UL PA Failure = Uplink Power Amplifier Failure

DL PA Failure = Downlink Power Amplifier Failure

PS: Power amplifier is a module which is in charge of amplifying the power.

Oscillation Alarm = Signal self-excitation alarm

Band1/CH1 DL Low I/P Alarm = S1 signal downlink low input power alarm

Band1/CH1 UL Low I/P Alarm = S1 signal uplink low input power alarm



⑤ Page 4 = Alarm: show the working status of various parameters

UL PA= Uplink power amplifier

DL PA= Downlink power amplifier

Oscillation = Signal self-excitation.

Band1/CH1 DL Low I/P = S1 signal downlink low input power

Band1/CH1 UL Low O/P = S1 signal uplink low output power



⑥ Page 5 = Setting Page: Customers could set up parameters according to their own

needs or use environment.

PA 1 Switch = Power Amplifier Switch = turn off/on the device.

S1 DL Band Width = S1 signal downlink bandwidth setting-up: customers could set up the bandwidth to receive signal from only one signal operator, and device screen would also only show the signal value of that signal operator, which could avoid signal interference from other operators, also make it available to sell to signal operator directly.

S1 DL Frequency = S1 signal downlink frequency range setting, the purpose is the same as setting up bandwidth.

Band 1 /CH1 UL ATT = Signal 1 (Channel 1) Uplink Gain attenuation

Band 1 /CH1 DL ATT = Signal 1 (Channel 1) Downlink Gain attenuation

Band1/CH1 DL Low I/P limit = S1 signal downlink low input power limit

Band1/CH1 UL Low O/P limit= S1 signal uplink low output power limit

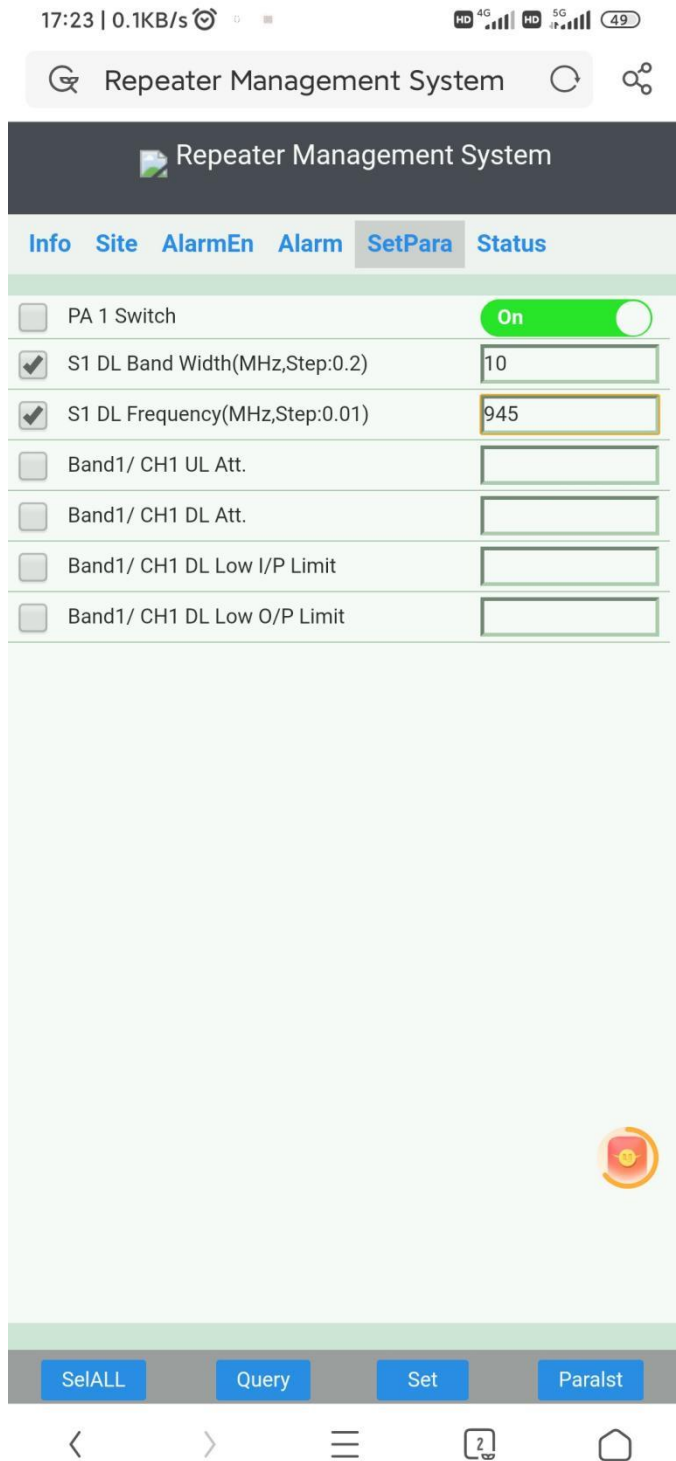
When the outdoor signal is too strong, causing signal excitation, customers could attenuate the gain and limit the power to avoid signal excitation.

How to set the frequency and Bandwidth you want ?

Band-selected signal repeater is only to set the downlink frequency to receive a specific frequency.

We need to fill in the intermediate frequency between the starting value and the terminal value of the frequency in S1 DL Frequency, and then fill in the bandwidth in S1 DL Band Width.

For example, downlink frequency range of Signal Operator is 940-950MHz, then we need to fill in the middle value between 905 and 915. So we need to fill 945MHz in S1 DL frequency, and fill 10 in S1 DL Band Width.



⑦ Page 6 = Status: show customers the working status.

Band 1 /CH1 DL I/P = Signal 1 (Channel 1) Downlink input power (input signal strength)

Band 1 /CH1 DL O/P = Signal 1 (Channel 1) Downlink output power



Band1/CH1 UL Max Gain= S1 signal uplink gain  
Band1/CH1 DL Gain= S1 signal downlink gain.

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Repeater Management System

[Info](#) [Site](#) [AlarmEn](#) [Alarm](#) [SetPara](#) [Status](#)

<input type="checkbox"/>	Band1/ CH1 DL I/P	<input type="text"/>
<input type="checkbox"/>	Band1/ CH1 DL O/P	<input type="text"/>
<input type="checkbox"/>	Band1/ CH1 UL Max. Gain	<input type="text"/>
<input type="checkbox"/>	Band1/ CH1 DL Gain	<input type="text"/>

[SelALL](#) [Query](#) [Set](#) [Paralst](#)

大小 192.168.3.1 [↻](#)

