

# Gemini Communication Ltd.

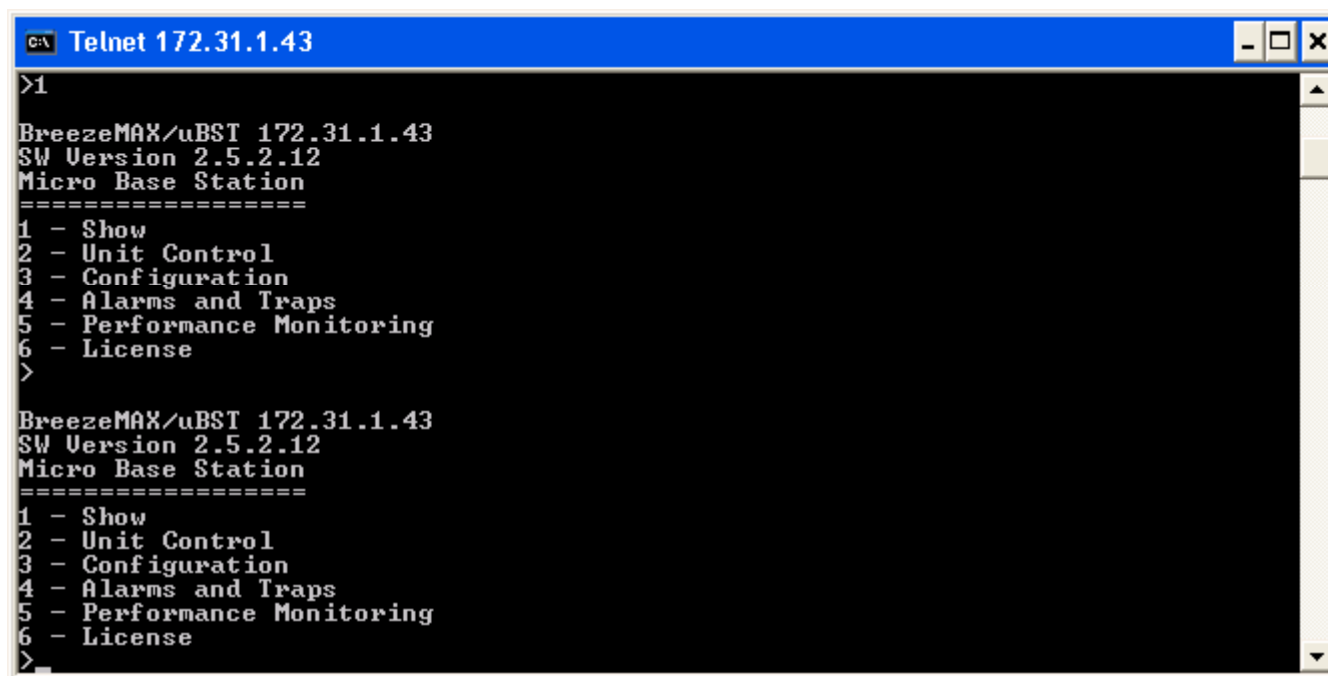
## *Training Manual* *BTS and SS Configuration*

## BST have two ports: DATA PORT

### Management Port

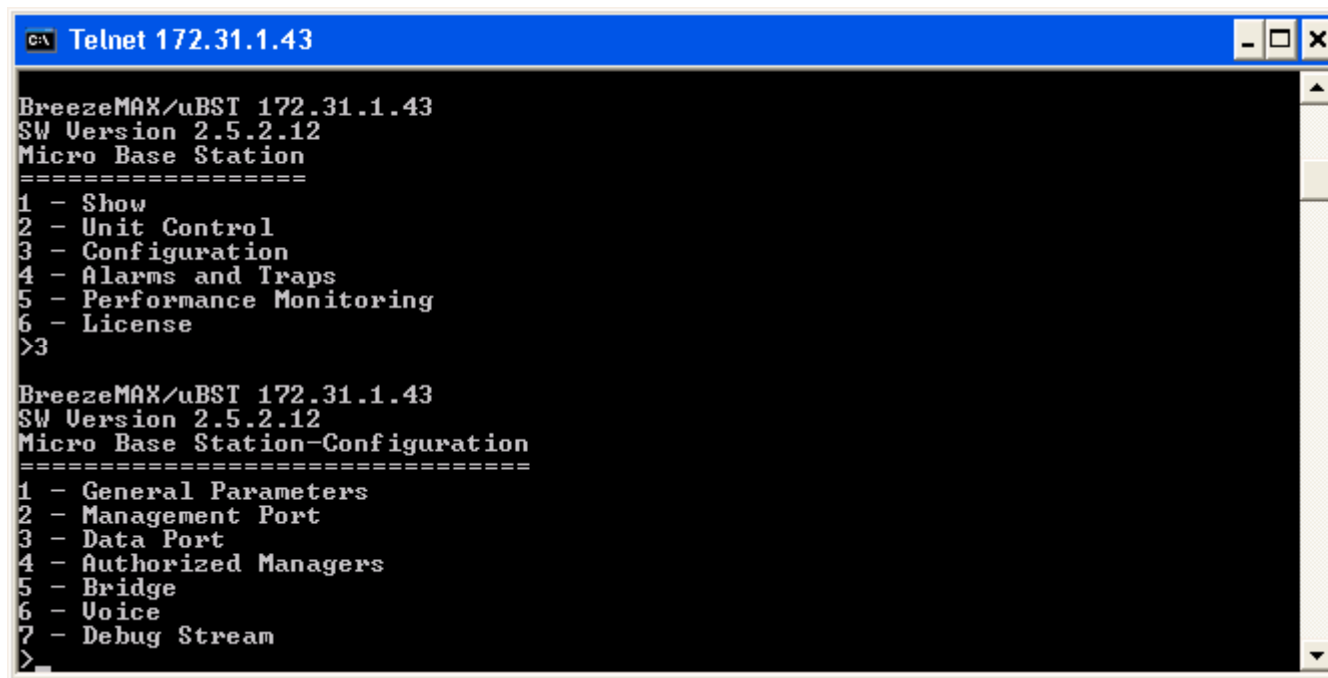
- Breezemax Default IP address of DATA port :  
1.1.1.3/255.255.255.0
- Breezemax Default IP address of MGMT port :  
10.0.0.1/255.255.255.0
- The BST can be managed in three ways
  - Telnet via DATA or MGMT port
  - SNMP (AlvariCRAFT/AlvariSTAR via DATA or MGMT port
  - Serial connection via the MONITOR port
- To access the MONITOR program, connect Cable to either the DATA or MGMT port. Telnet the port's IP address. At the password prompt, type "admin". Admin is the default administrator password of the BS.
- Note: Your operator might ask you to change the password during the commissioning

After telnet the unit following should be displayed on the screen:



```
C:\> Telnet 172.31.1.43
>1
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station
=====
1 - Show
2 - Unit Control
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station
=====
1 - Show
2 - Unit Control
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>
```

PRESS- 3- FOR CONFIGURATION



```
C:\> Telnet 172.31.1.43

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station
-----
1 - Show
2 - Unit Control
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>3

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
-----
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>
```

THE ABOVE 7 OPTIONS would be displayed on SCREEN.

### 3.1. GENERAL PARAMETERS:

Press 1 for configuring General Parameters.  
Four options would be displayed:



```
C:\ Select Telnet 172.31.1.43
6 - License
>3

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>1

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-General Parameters
=====
1 - Device Name
2 - Device Location
3 - ATPC
4 - Cell
>
```

1. Press 1 to configure Device Name - Give the name of BST at the Prompt.
2. Press 2 to configure Device Location – Give the Location of BST on the Prompt
3. Press 3 to configure ATPC Control - It should be enabled
  - a) – 1 to show the current status
  - b) -- 2 to update/configure the status.
    - a) Press 2 to set ATPC control (if not enabled already)

```

C:\ Telnet 172.31.1.43
>
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-General Parameters
=====
1 - Device Name
2 - Device Location
3 - ATPC
4 - Cell
>3
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-General Parameters-ATPC
=====
1 - Show
2 - Update
>2
Micro Base Station-Configuration-General Parameters-ATPC-Update
=====
ATPC Enable/Disable :
1 - Disable, 2 - Enable
ATPC Enable/Disable :
  
```

- c) We have fix the optimal uplink RSSI level which has to maintained by CPE towards BST. (We have fix it on -73 dBm)

```

c:\ Telnet 172.31.1.43
=====
1 - Show
2 - Update
>2

Micro Base Station-Configuration-General Parameters-ATPC-Update
=====
ATPC Enable/Disable                :
1 - Disable, 2 - Enable
ATPC Enable/Disable                :

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-General Parameters-ATPC
=====
1 - Show
2 - Update
>1

>
ATPC Parameters:
-----
ATPC Status                        : Enabled
Optimal Uplink RSSI <dBm>         : -73

```

## 4. Cell

- a) Show -- Shows the current Status
- b) Update-- To change the entered Value (or to put the value for the first time you will see the cursor blinking)

```

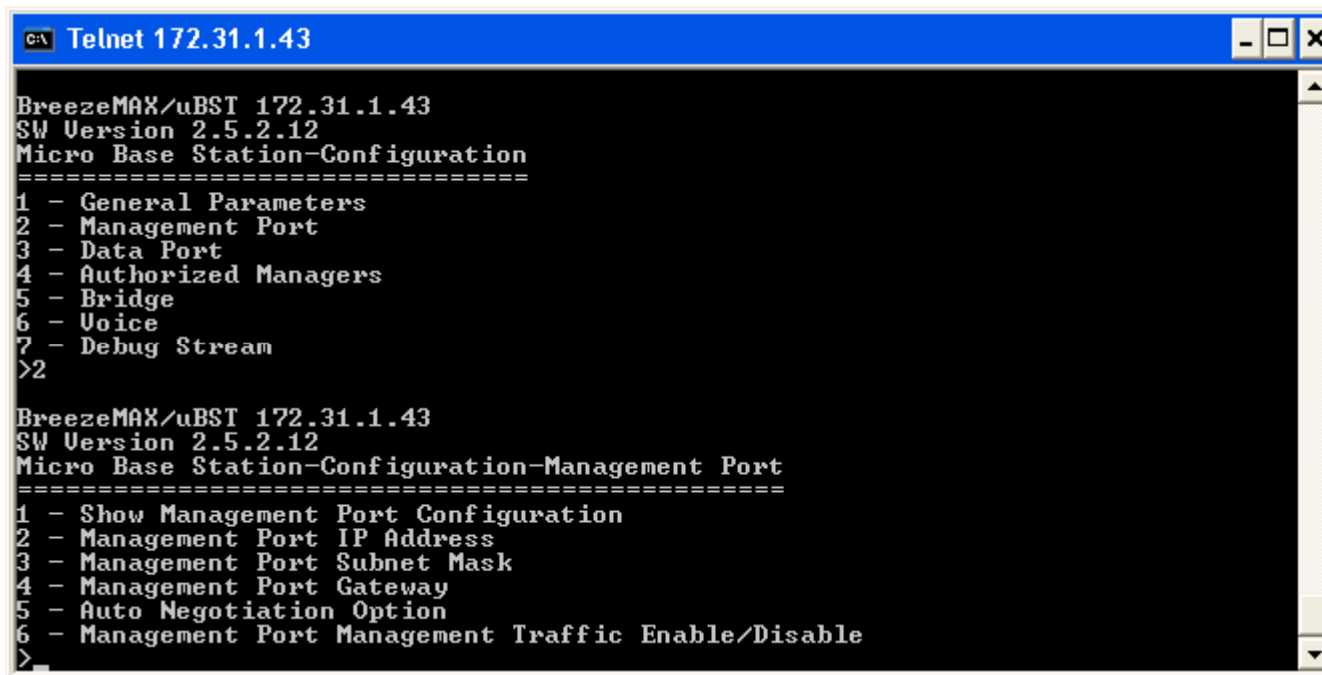
c:\ Telnet 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-General Parameters-Cell
=====
1 - Show
2 - Update
>1
>
Cell Parameters:
-----
Operator ID           : 186.190.0
Cell ID              : 0.0

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-General Parameters-Cell
=====
1 - Show
2 - Update
>2

Micro Base Station-Configuration-General Parameters-Cell-Update
=====
Operator ID           : 186.190.0
Cell ID              : 0.0
  
```

Leave Operator ID unchanged & configure the Cell ID in following format: BST ID. Sector A,B,C,D e.g. 34.A (where **34** is BST ID and **A** is orientation of Sector)

## Option 3.2 -- Management Port



```
C:\> Telnet 172.31.1.43

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>2

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Management Port
=====
1 - Show Management Port Configuration
2 - Management Port IP Address
3 - Management Port Subnet Mask
4 - Management Port Gateway
5 - Auto Negotiation Option
6 - Management Port Management Traffic Enable/Disable
>
```

It has six sub options.

## 3.2.1 Show Management Port Configurations

```

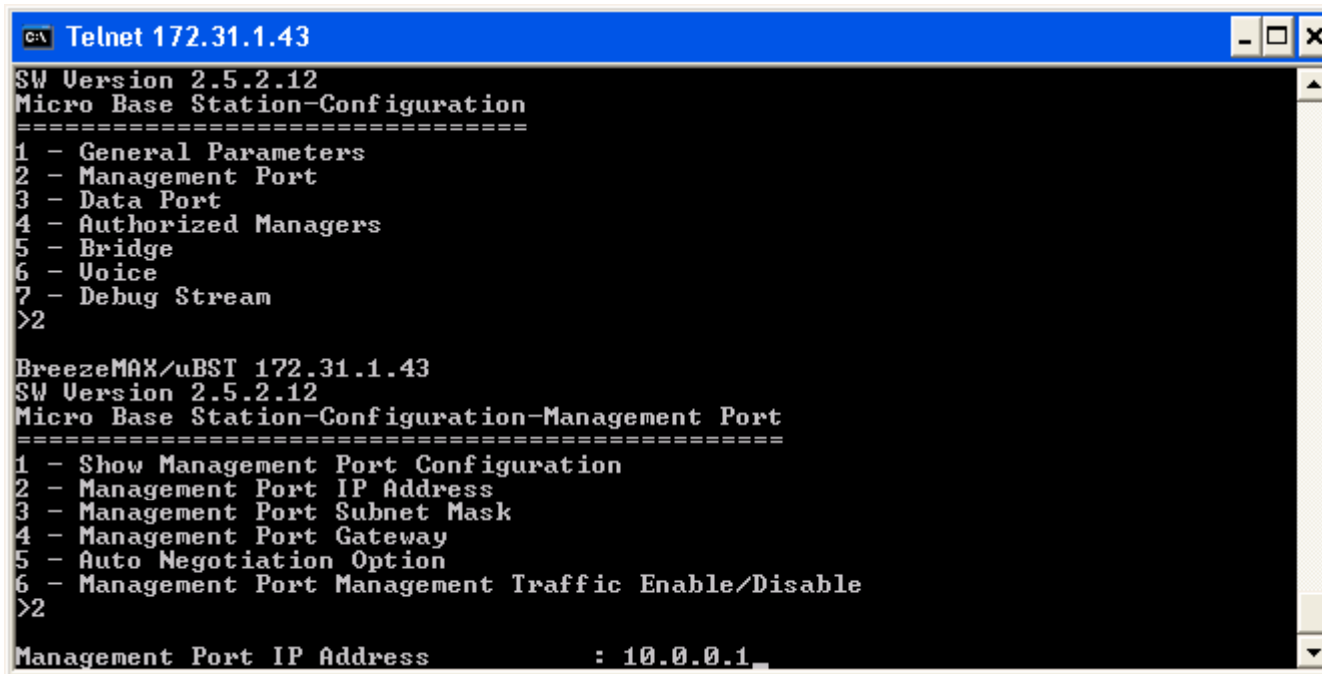
C:\ Telnet 172.31.1.43
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Management Port
=====
1 - Show Management Port Configuration
2 - Management Port IP Address
3 - Management Port Subnet Mask
4 - Management Port Gateway
5 - Auto Negotiation Option
6 - Management Port Management Traffic Enable/Disable
>1

Management Port Configuration
-----
Management Port MAC Address       : 00-10-e7-22-53-72
Management Port IP Address        : 10.0.0.1
Management Port Subnet Mask       : 255.255.255.0
Management Port Gateway           : 0.0.0.0
Management Port Destination Subnet : 0.0.0.0
Management Port Destination Subnet Mask: 0.0.0.0
Management Port Auto Negotiation  : Enabled
Management Port Speed and Duplex  : 100M Half
Management Port Link Status       : Down
Management Port Management Traffic : Enabled
>

```

Press 1 : It shows complete port detailed configured presently

## 3.2.2 – Management port IP Address



```
C:\ Telnet 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Uoice
7 - Debug Stream
>2

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Management Port
=====
1 - Show Management Port Configuration
2 - Management Port IP Address
3 - Management Port Subnet Mask
4 - Management Port Gateway
5 - Auto Negotiation Option
6 - Management Port Management Traffic Enable/Disable
>2

Management Port IP Address      : 10.0.0.1
```

Press 2 : You can configure the IP address of BST as per the info Provided.

### 3.2.3 – Management Port Subnet Mask

```

C:\ Telnet 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>2

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Management Port
=====
1 - Show Management Port Configuration
2 - Management Port IP Address
3 - Management Port Subnet Mask
4 - Management Port Gateway
5 - Auto Negotiation Option
6 - Management Port Management Traffic Enable/Disable
>3

Management Port Subnet Mask      : 255.255.255.0

```

Press 3 : You can configure Subnet Mask of BST as per the info Provided.

### 3.2.4 – Management port Gateway

```

C:\ Telnet 172.31.1.43
1 - Show Management Port Configuration
2 - Management Port IP Address
3 - Management Port Subnet Mask
4 - Management Port Gateway
5 - Auto Negotiation Option
6 - Management Port Management Traffic Enable/Disable
>3

Management Port Subnet Mask      : 255.255.255.0

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Management Port
=====
1 - Show Management Port Configuration
2 - Management Port IP Address
3 - Management Port Subnet Mask
4 - Management Port Gateway
5 - Auto Negotiation Option
6 - Management Port Management Traffic Enable/Disable
>4

Micro Base Station-Configuration-Management Port-Management Port Gateway
=====
Management Port Gateway          : 0.0.0.0

```

Press 4: You can configure the Gateway of BST as per the info Provided.

### 3.2.5 – Auto Negotiation Option-- Enable/Disable

```

C:\ Telnet 172.31.1.43

Micro Base Station-Configuration-Management Port-Management Port Gateway
=====
Management Port Gateway           : 0.0.0.0

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Management Port
=====
1 - Show Management Port Configuration
2 - Management Port IP Address
3 - Management Port Subnet Mask
4 - Management Port Gateway
5 - Auto Negotiation Option
6 - Management Port Management Traffic Enable/Disable
>5

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Management Port-Auto Negotiation Option
=====
1 - Enable
2 - Disable
>

```

Press 1 enable: It should be Enable

### 3.2.6 – Management Port Management Traffic- Enable/Disable

```

C:\ Telnet 172.31.1.43
Management Port Subnet Mask      : 255.255.255.0
Management Port Gateway          : 0.0.0.0
Management Port Destination Subnet : 0.0.0.0
Management Port Destination Subnet Mask: 0.0.0.0
Management Port Auto Negotiation  : Enabled
Management Port Speed and Duplex  : 100M Half
Management Port Link Status       : Down
Management Port Management Traffic : Enabled
>

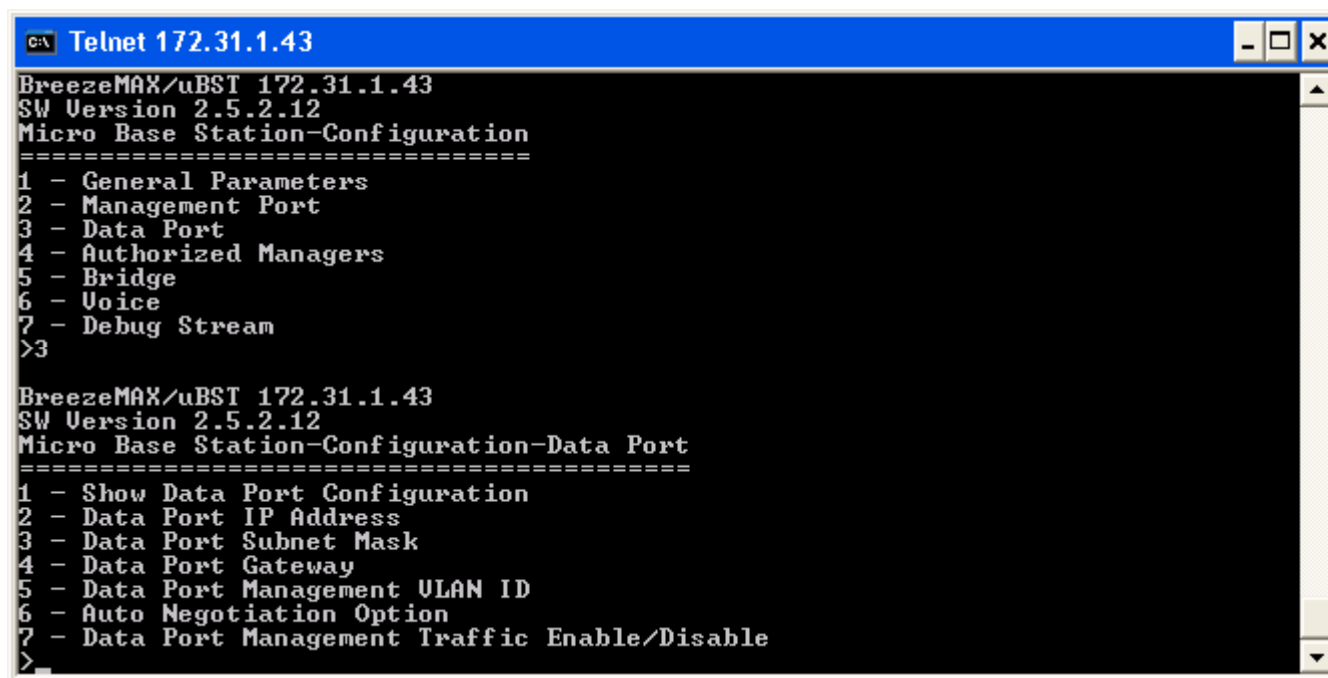
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Management Port
=====
1 - Show Management Port Configuration
2 - Management Port IP Address
3 - Management Port Subnet Mask
4 - Management Port Gateway
5 - Auto Negotiation Option
6 - Management Port Management Traffic Enable/Disable
>6

Management Port Management Traffic Enable/Disable:
1 - Disable, 2 - Enable
Management Port Management Traffic Enable/Disable:

```

Press 2 to enable: It should be Enable

## Option 3.3 – Data Port

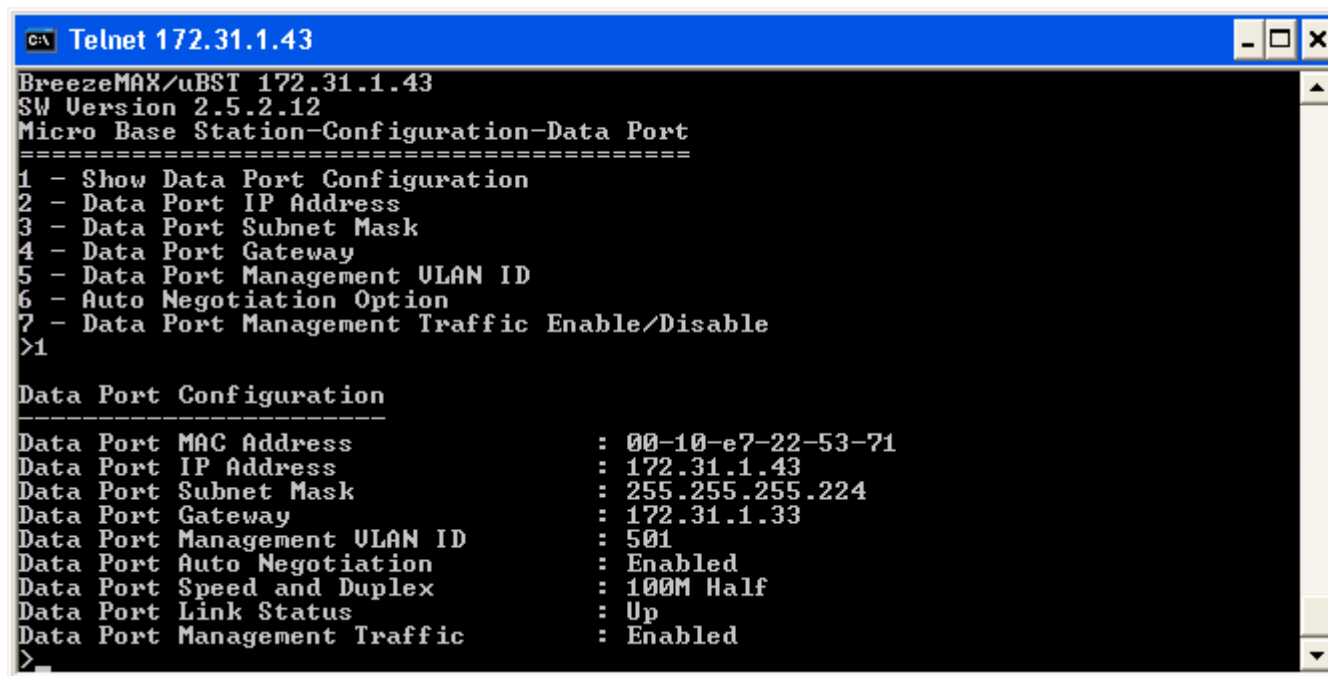


```
C:\> Telnet 172.31.1.43
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>3

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port
=====
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>
```

It has seven options

### 3.3.1 Show Data Port configuration



```
C:\> Telnet 172.31.1.43
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port
=====
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>1

Data Port Configuration
-----
Data Port MAC Address           : 00-10-e7-22-53-71
Data Port IP Address           : 172.31.1.43
Data Port Subnet Mask          : 255.255.255.224
Data Port Gateway              : 172.31.1.33
Data Port Management VLAN ID   : 501
Data Port Auto Negotiation     : Enabled
Data Port Speed and Duplex     : 100M Half
Data Port Link Status          : Up
Data Port Management Traffic   : Enabled
>
```

Press 1 to see the complete summarized detail of the Data Port

### 3.3.2 -- Data Port IP Address

```

C:\ Telnet 172.31.1.43
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>2

Data Port IP Address           : 172.31.1.43
Reboot the Base Station for the changes to take effect

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port
-----
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>2

Data Port IP Address           : 172.31.1.43

```

Press 2 To configure the IP address of the Data Port as per the info Provided.

### 3.3.3 – Subnet Mask of Data Port

```

C:\ Telnet 172.31.1.43
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>2
Data Port IP Address           : 172.31.1.43
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port
-----
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>3
Data Port Subnet Mask         : 255.255.255.224
  
```

Press 3 To configure Subnet Mask of Data Port as per the info Provided.

### 3.3.4 – Data Port Gateway

```

C:\ Telnet 172.31.1.43
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>3
Data Port Subnet Mask           : 255.255.255.224
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port
-----
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>4
Data Port Gateway               : 172.31.1.33
  
```

Press 4 to configure the Gateway IP Address for Data Port as per the info Provided.

### 3.3.5 – Data Port Management VLAN ID

```

C:\ Telnet 172.31.1.43
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>4
Data Port Gateway                : 172.31.1.33
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port
-----
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>5
Data Port Management VLAN ID     : 501
  
```

Press 5 To configure the Management VLAN ID for Data Port as per the info Provided.

### 3.3.6 – Auto Negotiation Option

```

C:\ Telnet 172.31.1.43
7 - Data Port Management Traffic Enable/Disable
>5

Data Port Management VLAN ID      : 501

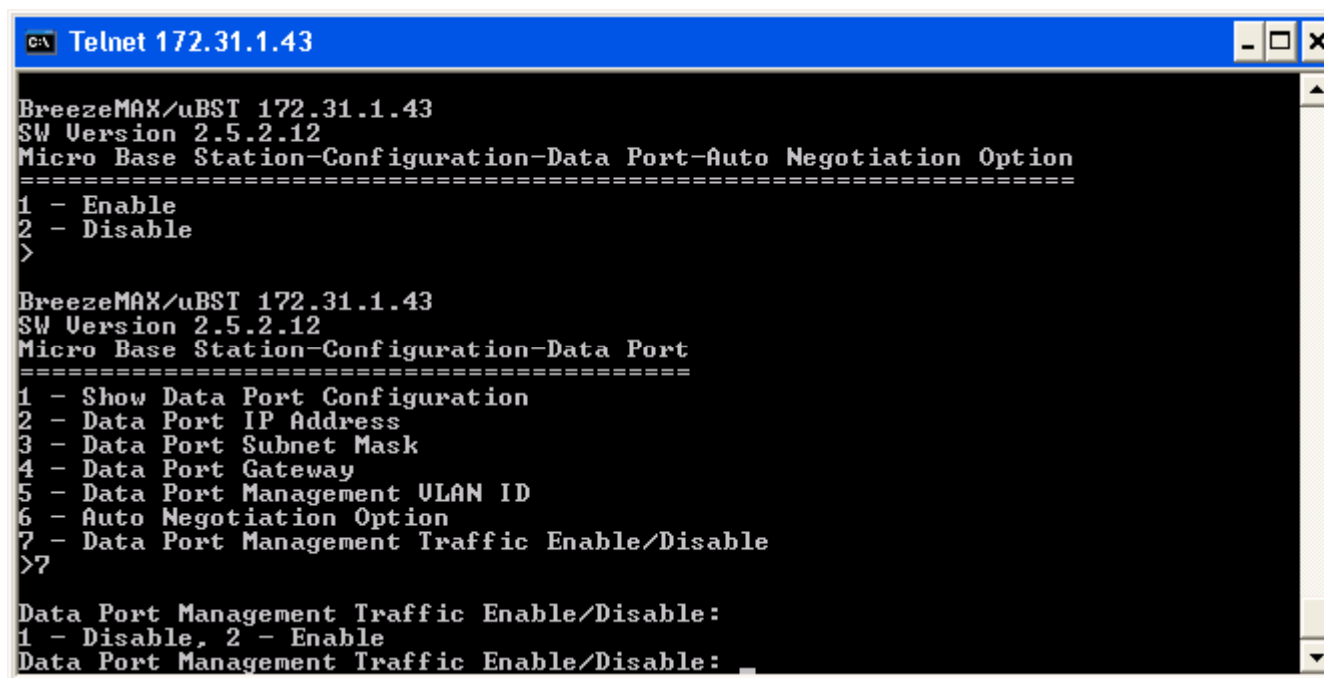
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port
=====
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>6

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port-Auto Negotiation Option
=====
1 - Enable
2 - Disable
>

```

Press 1 to enable Auto Negotiation. (Auto Negotiation should be enabled in BST)

### 3.3.7 – Data port management Traffic Enable/Disable



```
C:\> Telnet 172.31.1.43

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port-Auto Negotiation Option
-----
1 - Enable
2 - Disable
>

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Data Port
-----
1 - Show Data Port Configuration
2 - Data Port IP Address
3 - Data Port Subnet Mask
4 - Data Port Gateway
5 - Data Port Management VLAN ID
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>7

Data Port Management Traffic Enable/Disable:
1 - Disable, 2 - Enable
Data Port Management Traffic Enable/Disable: _
```

Press 2 to enable Data Port Management Traffic. (Data Port Management Traffic should be Enabled in BST.)

## Option 3.4 – Authorised Managers

```

C:\ Telnet 172.31.1.43
6 - Auto Negotiation Option
7 - Data Port Management Traffic Enable/Disable
>

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>4

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Authorized Managers
=====
1 - Show All
2 - Select
3 - Add
>
  
```

It has three Options: 1) to view present Authorized Manager,  
 2) To select the particular Authorized Manager  
 3) To add another Authorized Manager

### 3.4.1 – Show All

```

C:\ Telnet 172.31.1.43
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>4

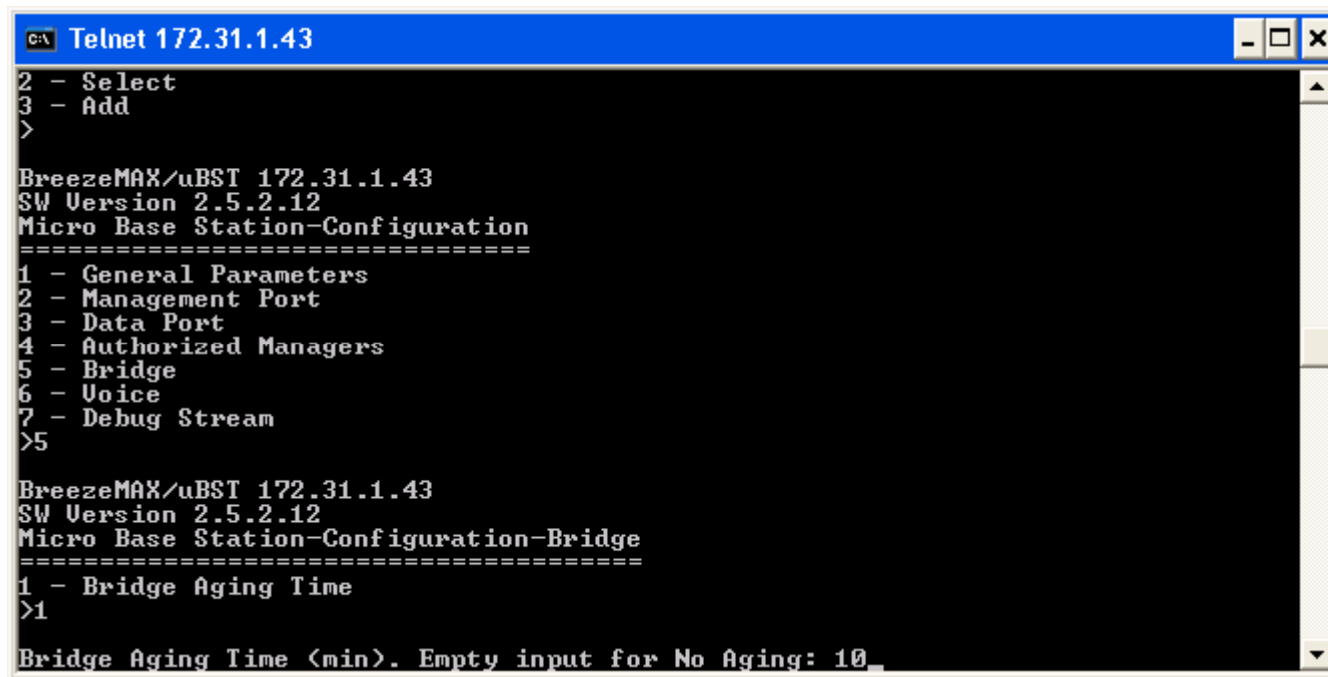
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Authorized Managers
=====
1 - Show All
2 - Select
3 - Add
>1

IP Address           : 172.30.1.97
Send Traps           : Enable
Read Community       : public
Write Community      : private
=====
>

```

It shows the summarised report of Authorised Managers

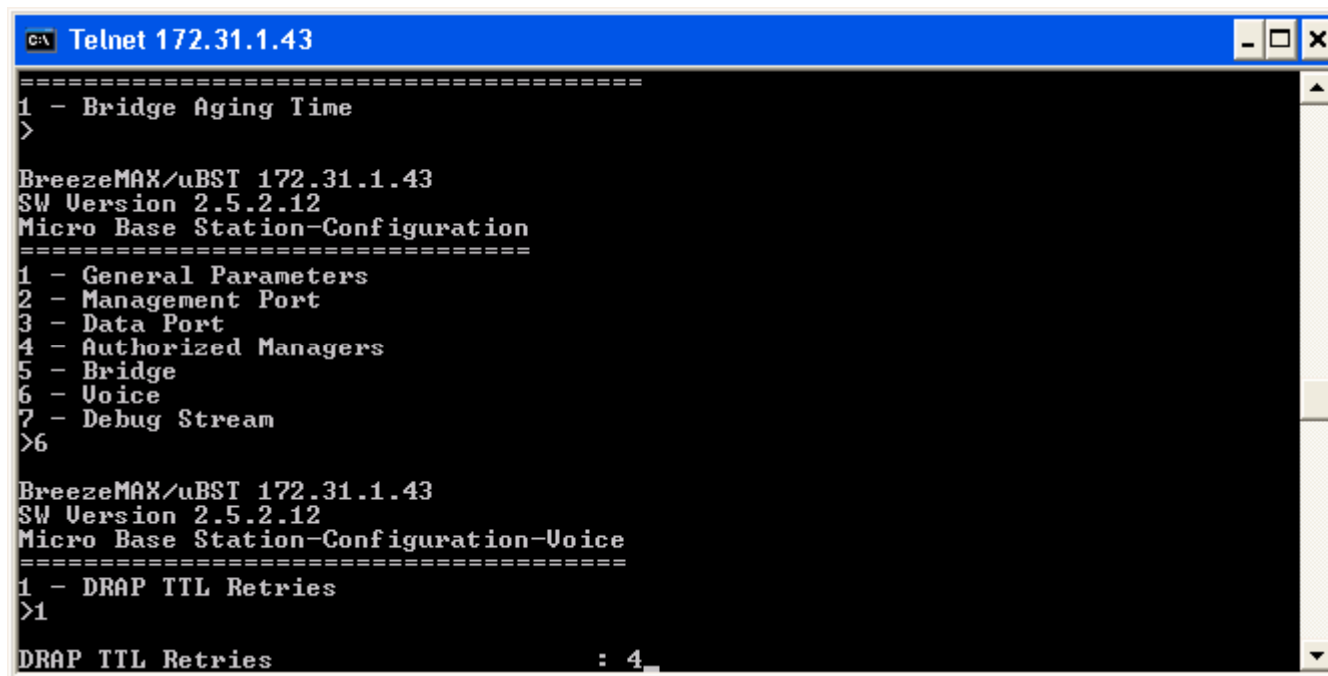
## Option 3.5 – Bridge



```
C:\ Telnet 172.31.1.43
2 - Select
3 - Add
>
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>5
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Bridge
=====
1 - Bridge Aging Time
>1
Bridge Aging Time (min). Empty input for No Aging: 10
```

Leave Bridge Aging Time unchanged

## Option 3.6 -- Voice



```
C:\> Telnet 172.31.1.43
=====
1 - Bridge Aging Time
>

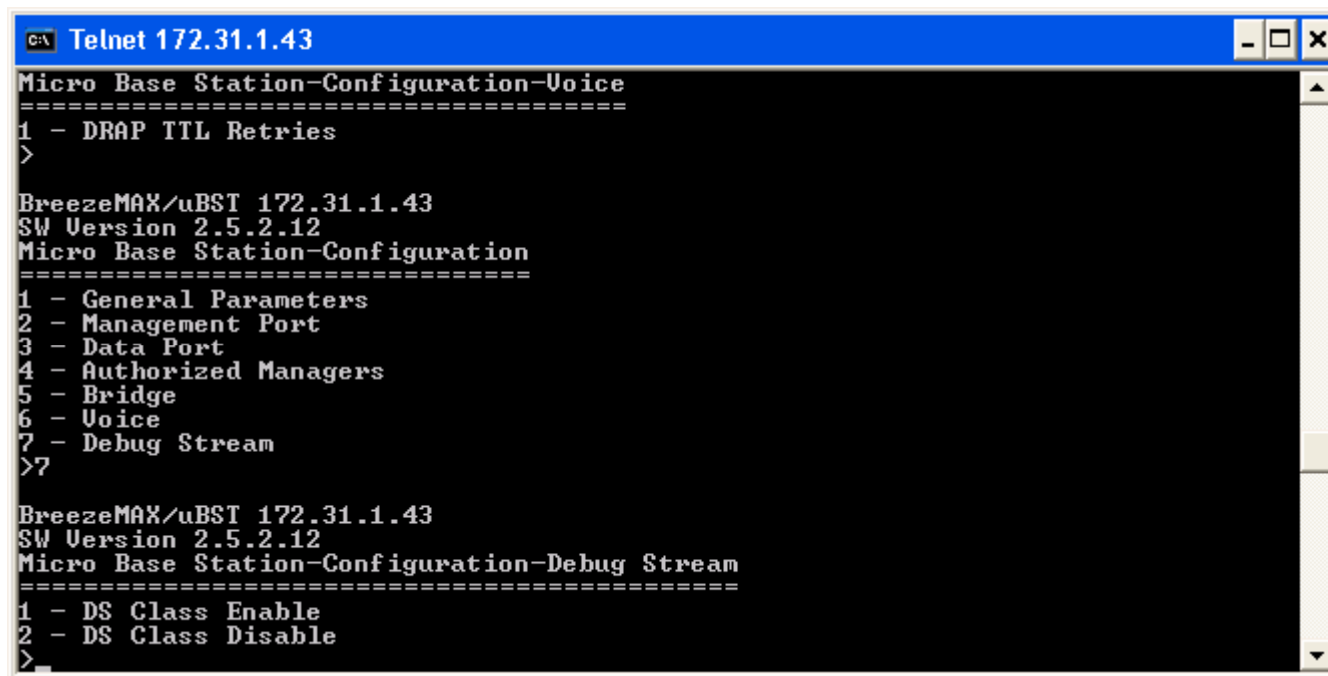
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>6

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Voice
=====
1 - DRAP TTL Retries
>1

DRAP TTL Retries                : 4
```

Leave DRAP TTL Retries Unchanged

## Option 3.7 -- Debug stream



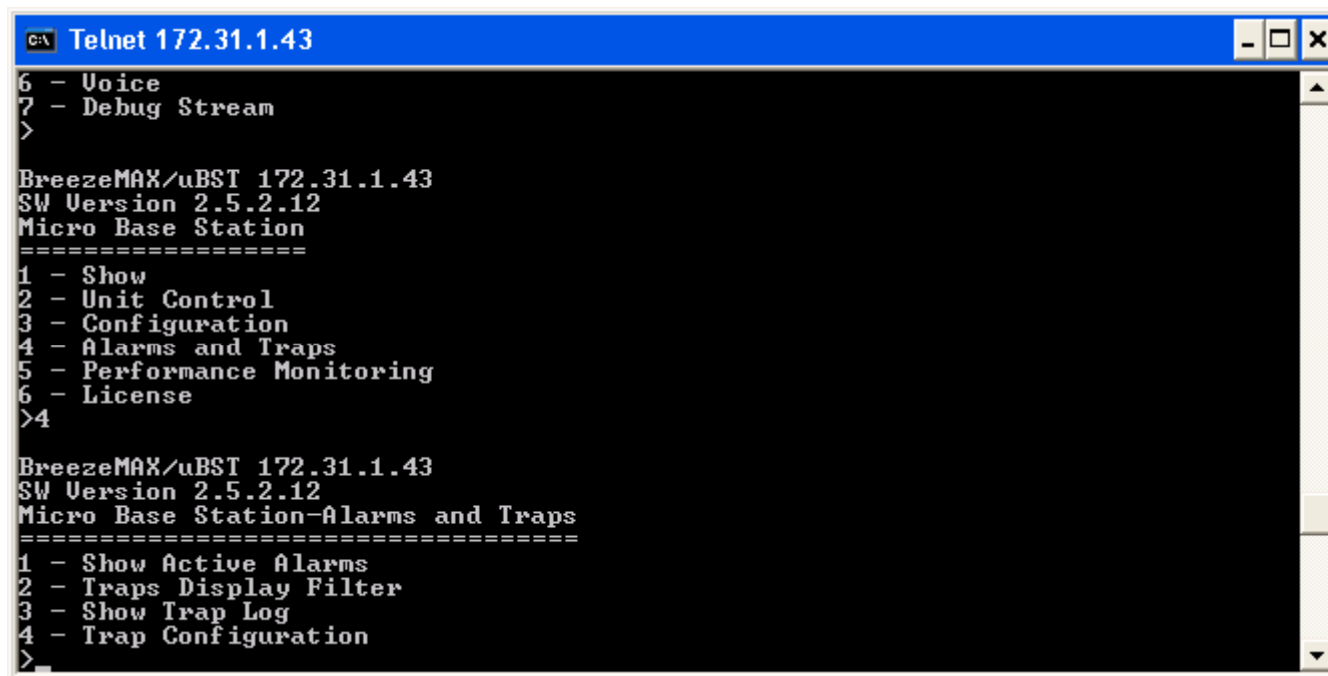
```
C:\ Telnet 172.31.1.43
Micro Base Station-Configuration-Voice
=====
1 - DRAP TTL Retries
>

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration
=====
1 - General Parameters
2 - Management Port
3 - Data Port
4 - Authorized Managers
5 - Bridge
6 - Voice
7 - Debug Stream
>7

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Configuration-Debug Stream
=====
1 - DS Class Enable
2 - DS Class Disable
>
```

Leave Debug Stream Unchanged

## Option 4 – Alarms & Traps



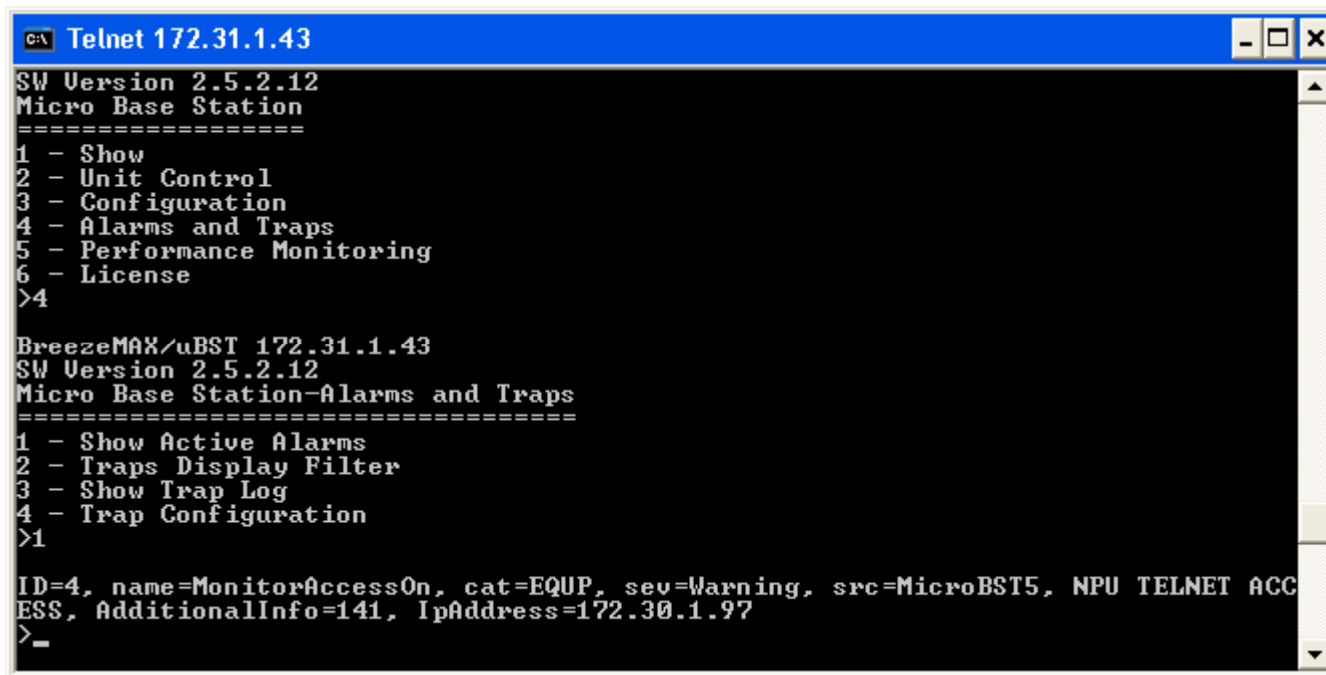
```
C:\> Telnet 172.31.1.43
6 - Voice
7 - Debug Stream
>

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station
=====
1 - Show
2 - Unit Control
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>4

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station- Alarms and Traps
=====
1 - Show Active Alarms
2 - Traps Display Filter
3 - Show Trap Log
4 - Trap Configuration
>
```

It has four Options

## 4.1 Show Active Alarm



```
C:\ Telnet 172.31.1.43
SW Version 2.5.2.12
Micro Base Station
=====
1 - Show
2 - Unit Control
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>4

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Alarms and Traps
=====
1 - Show Active Alarms
2 - Traps Display Filter
3 - Show Trap Log
4 - Trap Configuration
>1

ID=4, name=MonitorAccessOn, cat=EQU, sev=Warning, src=MicroBST5, NPU TELNET ACC
ESS, AdditionalInfo=141, IpAddress=172.30.1.97
>_
```

Press 1 to see all the active alarms

## 4.2 – Trap Display Filter

```

C:\ Telnet 172.31.1.43
1 - Show Active Alarms
2 - Traps Display Filter
3 - Show Trap Log
4 - Trap Configuration
>1
ID=4, name=MonitorAccessOn, cat=EQUIP, sev=Warning, src=MicroBST5, NPU TELNET ACC
ESS, AdditionalInfo=141, IpAddress=172.30.1.97
>
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Alarms and Traps
=====
1 - Show Active Alarms
2 - Traps Display Filter
3 - Show Trap Log
4 - Trap Configuration
>2
Micro Base Station-Alarms and Traps-Traps Display Filter
=====
Minimum Severity :
1 - Critical, 2 - Major, 3 - Minor, 4 - Warning, 5 - Info
Minimum Severity :

```

Leave Trap Configuration Unchanged

## 4.3 – Show trap Log

```

C:\ Telnet 172.31.1.43
U.00-10-e7-22-47-9e, AdditionalInfo=134
25.08.2008 07:51:35, ID=112, name=ServiceUp, cat=QOS, sev=Info, src=MicroBST, ServiceIdx=17, SubscriberIdx=11, ServiceName=11, SubscriberID=11
25.08.2008 07:54:04, ID=111, name=ServiceDown, cat=QOS, sev=Major, src=MicroBST, ServiceIdx=17, SubscriberIdx=11, ServiceName=11, SubscriberID=11
25.08.2008 07:54:05, ID=130, name=LinkDown, cat=COM, sev=Info, src=SU.00-10-e7-22-47-9e, AdditionalInfo=131
25.08.2008 07:54:14, ID=131, name=LinkUp, cat=COM, sev=Info, src=SU.00-10-e7-22-47-9e, AdditionalInfo=131
25.08.2008 07:54:15, ID=83, name=SuNetworkEntryStatus, cat=PROC, sev=Info, src=SU.00-10-e7-22-47-9e, AdditionalInfo=134
25.08.2008 07:54:20, ID=112, name=ServiceUp, cat=QOS, sev=Info, src=MicroBST, ServiceIdx=17, SubscriberIdx=11, ServiceName=11, SubscriberID=11
25.08.2008 07:57:18, ID=111, name=ServiceDown, cat=QOS, sev=Major, src=MicroBST, ServiceIdx=17, SubscriberIdx=11, ServiceName=11, SubscriberID=11
25.08.2008 07:57:18, ID=130, name=LinkDown, cat=COM, sev=Info, src=SU.00-10-e7-22-47-9e, AdditionalInfo=131
25.08.2008 07:57:30, ID=131, name=LinkUp, cat=COM, sev=Info, src=SU.00-10-e7-22-47-9e, AdditionalInfo=131
25.08.2008 07:57:30, ID=83, name=SuNetworkEntryStatus, cat=PROC, sev=Info, src=SU.00-10-e7-22-47-9e, AdditionalInfo=134
25.08.2008 07:57:32, ID=112, name=ServiceUp, cat=QOS, sev=Info, src=MicroBST, ServiceIdx=17, SubscriberIdx=11, ServiceName=11, SubscriberID=11
Press any key to continue...
  
```

Press 1 to see the Log of all the traps

### 4.4.2.3

Factory default settings been configured

## 4.4.3 -- Severity

```

C:\ Telnet 172.31.1.43
-----
Micro Base Station-Alarms and Traps-Trap Configuration-Admin Status
-----
1 - Show Disabled Trap List
2 - Update
3 - Restore Defaults
>

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Alarms and Traps-Trap Configuration
-----
1 - Show Traps Status
2 - Admin Status
3 - Severity
4 - Suppression Interval
>3

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Alarms and Traps-Trap Configuration-Severity
-----
1 - Show Traps with Modified Severity
2 - Update
3 - Restore Defaults
>

```

It has three sub menus for viewing, updating the severity of traps & to set the traps on default value.

## 4.4.4 – Suppression Interval

```

C:\ Telnet 172.31.1.43
Micro Base Station-Alarms and Traps-Trap Configuration-Severity
=====
1 - Show Traps with Modified Severity
2 - Update
3 - Restore Defaults
>

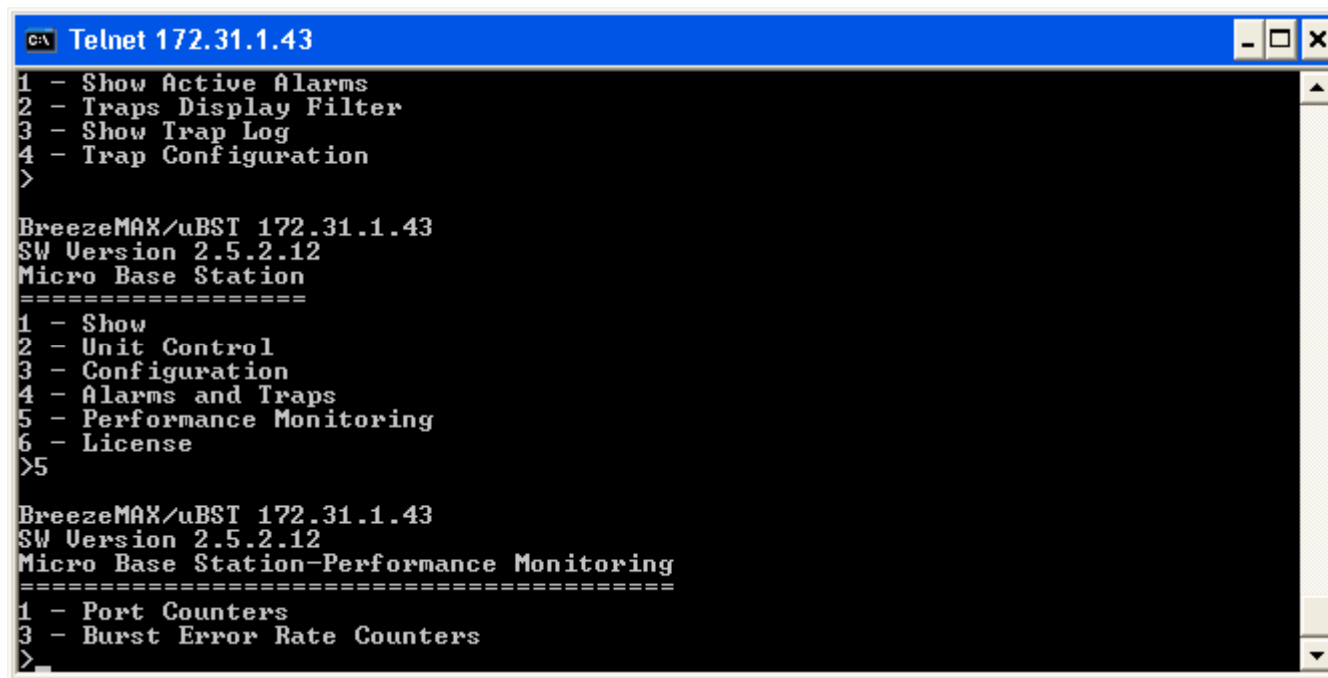
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Alarms and Traps-Trap Configuration
=====
1 - Show Traps Status
2 - Admin Status
3 - Severity
4 - Suppression Interval
>4

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Alarms and Traps-Trap Configuration-Suppression Interval
=====
1 - Show Modified
2 - Update
3 - Restore Defaults
>

```

Leave Suppression Unchanged

## 3.5 – Performance Monitoring



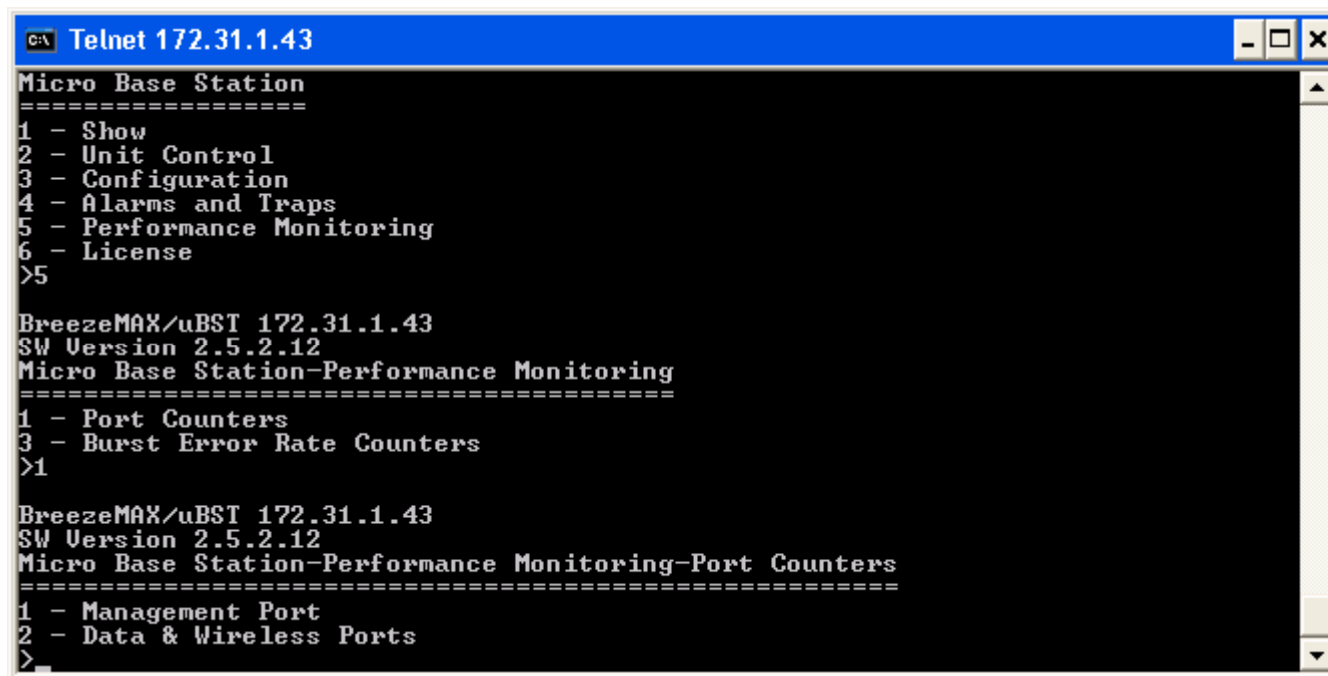
```
C:\ Telnet 172.31.1.43
1 - Show Active Alarms
2 - Traps Display Filter
3 - Show Trap Log
4 - Trap Configuration
>

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station
=====
1 - Show
2 - Unit Control
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>5

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring
=====
1 - Port Counters
3 - Burst Error Rate Counters
>
```

It has two options one for Port Counter & other for BER Counters.

### 3.5.1 – Port counters



```
C:\ Telnet 172.31.1.43
Micro Base Station
=====
1 - Show
2 - Unit Control
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>5

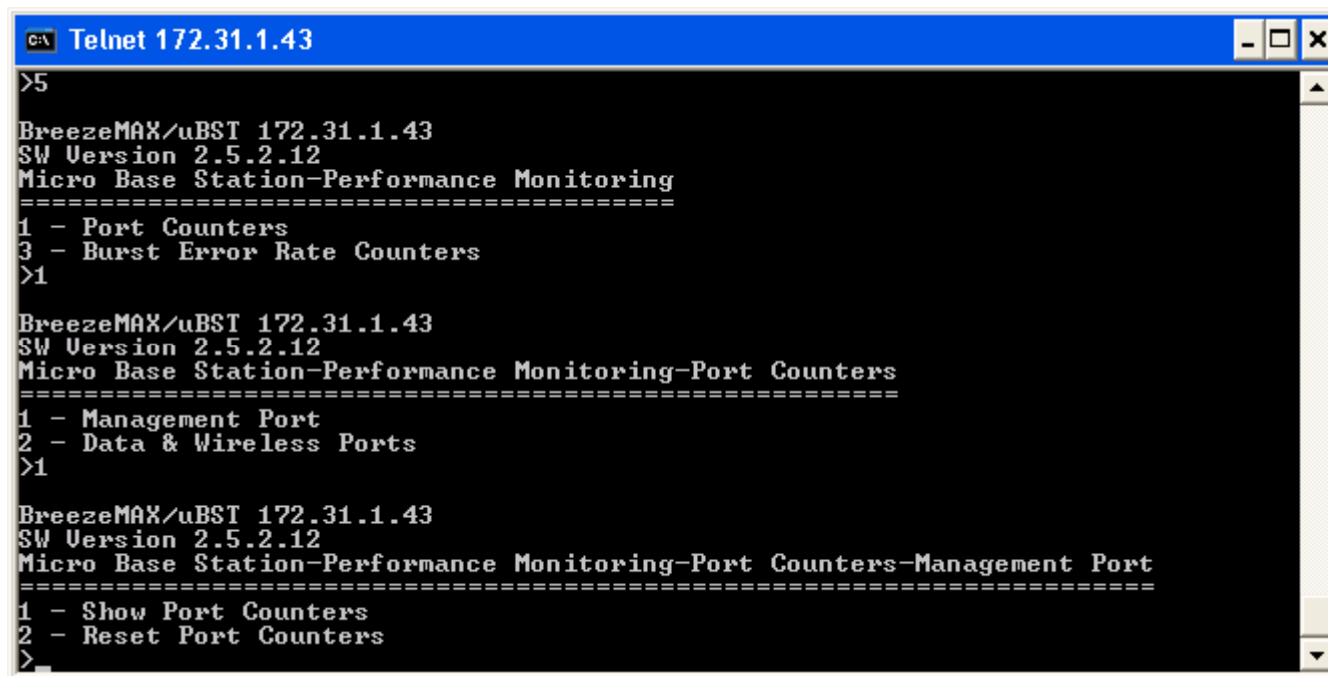
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring
=====
1 - Port Counters
3 - Burst Error Rate Counters
>1

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Port Counters
=====
1 - Management Port
2 - Data & Wireless Ports
>
```

It has two options one for Management port & other for Data & wireless Ports

### 3.5.1.1 – Management Port Counters

Press 1 for Management Port Counters



```
C:\ Telnet 172.31.1.43
>5
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring
=====
1 - Port Counters
3 - Burst Error Rate Counters
>1
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Port Counters
=====
1 - Management Port
2 - Data & Wireless Ports
>1
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Port Counters-Management Port
=====
1 - Show Port Counters
2 - Reset Port Counters
>
```

### 3.5.1.1.1 – It shows the Port counters

```

C:\ Telnet 172.31.1.43

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Port Counters
=====
1 - Management Port
2 - Data & Wireless Ports
>1

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Port Counters-Management Port
=====
1 - Show Port Counters
2 - Reset Port Counters
>1

Management Port Counters
-----
Packets Received           : 0
Packets Discarded on Rx   : 0
Packets Transmitted       : 2
Packets Discarded on Tx   : 0
>

```

Press 1 to see the status of the Packets Transmitted, discard Packets Etc.

## 3.5.1.1.2 – Reset Counters

It reset all the counters & sets them to zero

## 3.5.2 – Data & Wireless Port Counters

```

C:\ Telnet 172.31.1.43
>
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring
=====
1 - Port Counters
3 - Burst Error Rate Counters
>1
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Port Counters
=====
1 - Management Port
2 - Data & Wireless Ports
>2
BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Port Counters-Data & Wireless Ports
=====
1 - Show Port Counters
2 - Reset Port Counters
>
  
```

It has two sub menus one to view & other to reset the counters

### 3.5.2.1 – Show Port Counters

```

C:\ Telnet 172.31.1.43
-----
1 - Show Port Counters
2 - Reset Port Counters
>1

Data Port Counters
-----
Total Bytes Received           : 413449046
Data Bytes Received           : 413363931
Data Bytes Discarded on Rx    : 2773266
Total Bytes Transmitted       : 76184364
Data Bytes Transmitted        : 75985341
Data Bytes Discarded on Tx    : 0

Wireless Port Counters
-----
Data Bytes Received           : 63732244
Data Bytes Discarded on Rx    : 26389
Data Bytes Transmitted        : 379719154
Data Bytes Discarded on Tx    : 51793288
ARQ Enabled Bytes Transmitted : 377320017
Bytes Retransmitted           : 22920188
Retransmission Rate (%)      : 6
>

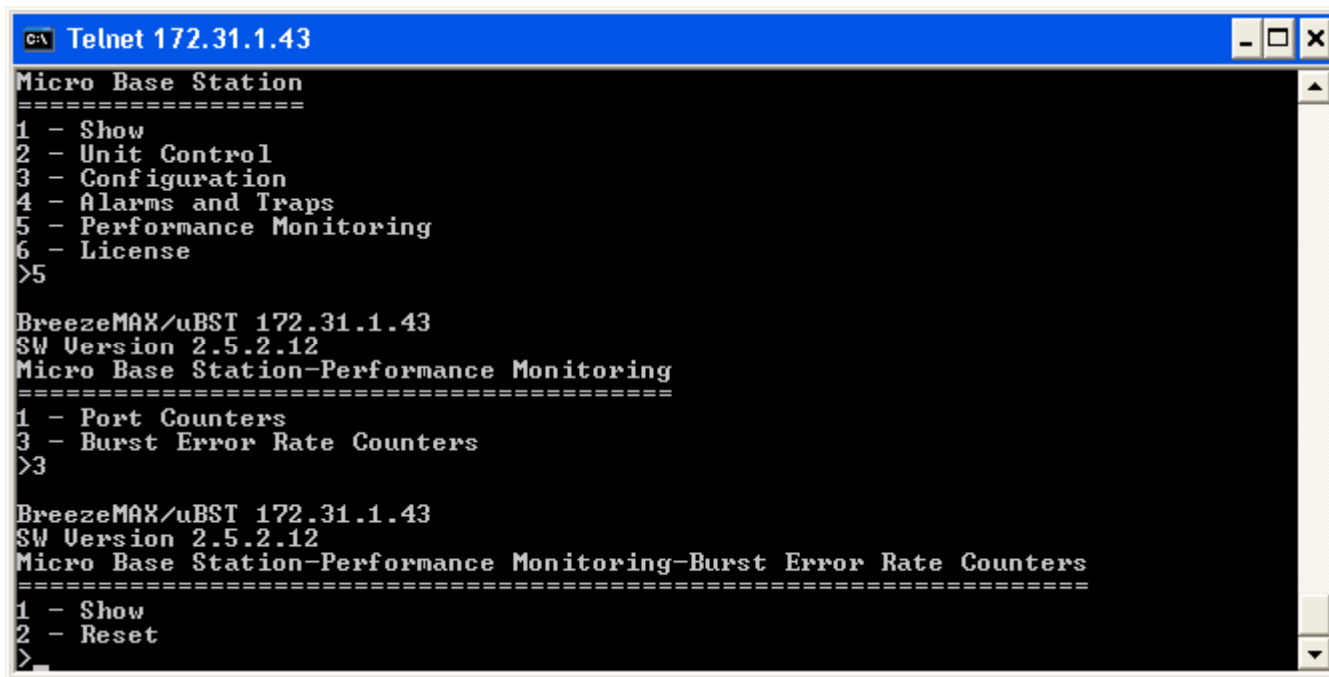
```

It shows the Status of Data Bytes Received, Discard etc in both Data & wireless Port.

## 3.5.2.2 – Reset Counters

It sets all the counters to zero

### 3.5.3 – Burst Error Rate Counters



```
C:\ Telnet 172.31.1.43
Micro Base Station
=====
1 - Show
2 - Unit Control
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>5

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring
=====
1 - Port Counters
3 - Burst Error Rate Counters
>3

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Burst Error Rate Counters
=====
1 - Show
2 - Reset
>
```

It has two Sub menus one to view & other to Reset the counters

### 3.5.3.1 – Show Counters

```

C:\ Telnet 172.31.1.43
3 - Configuration
4 - Alarms and Traps
5 - Performance Monitoring
6 - License
>5

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring
=====
1 - Port Counters
3 - Burst Error Rate Counters
>3

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Burst Error Rate Counters
=====
1 - Show
2 - Reset
>1

Micro Base Station-Performance Monitoring-Burst Error Rate Counters-Show
=====
SU MAC address          :

```

You have to select the MAC of the particular SU for which you want to view the data Bytes transferred.

Put the MAC of SU for which you want to see the BER

```

C:\ Telnet 172.31.1.43

Micro Base Station-Performance Monitoring-Burst Error Rate Counters-Show
=====
SU MAC address                : 00:10:e7:e2:1e:66

BreezeMAX/uBST 172.31.1.43
SW Version 2.5.2.12
Micro Base Station-Performance Monitoring-Burst Error Rate Counters
=====
1 - Show
2 - Reset
>
Uplink Burst Error Rate:
=====
Rate          Total Bursts   Error Bursts   Error Rate
-----
BPSK1/2       232448         0              0.0E-0
BPSK3/4       203232         246            1.2E-3
QPSK1/2       1797198        512            2.8E-4
QPSK3/4       376449         1398           3.7E-3
QAM16 1/2     6804           218            3.2E-2
QAM16 3/4     1              0              0.0E-0
QAM64 2/3     0              0              0.0E-0
QAM64 3/4     0              0              0.0E-0

```

# Alvarion BreezeMax CPE configuration.

# SU Commissioning

The configuration is done via the Ethernet port (10/100BaseT) of the SU, using Telnet

- Connect ethernet port to the laptop/PC
- Default IP address of the Eth port is 192.168.254.251 (mask 255.255.255.0)
- Default Password for entering the configuration menus is: installer
- Following three consecutive failures to enter the correct password, access to the Monitor program will be blocked for 5 minutes.
- The rest of the SU parameters are configured in the SU menu in the NPU monitor application.

After log-in in CPE the following Options comes:

- 1) Show Summary
- 2) Unit Control
- 3) Configuration
- 4) Radio Parameter
- 5) Performance Monitoring

1- It shows the complete detail of that CPE

2 – Unit Control

Reset – To reboot the device (Soft Reboot)

3 Configuration –

a) Name : You have to give the name as (Connected to (Site ID) & (Sector No) e.g. Conn to 134 A

b) Organisation Name: Put the name of Customer

c) Address: Give the name of customer Address.

4. Radio Parameters-

a) Bandwidth

b) Uplink Frequency.

## 5. Performance Monitoring-

- a) Start Link Quality Status .

***Thank You***  
Contact : [info@gcl.in](mailto:info@gcl.in)