

GPA636

6-way 0-110dB Adjustable Attenuation Matrix



The product catalog describes the GPA636 adjustable attenuation matrix electrical characteristics, specifications, connectors and other information.

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Description

The GPA6618 is suitable for lab testing and controls 18 independent bidirectional RF channels. Users can easily simulate the path loss and combiner usage of each channel in a mobile scenario with each channel. The instrument supports all major wireless technologies, including CDMA, EVDO/GSM/UMTS/HSPA/LTE, and WiMAX.

Specifications

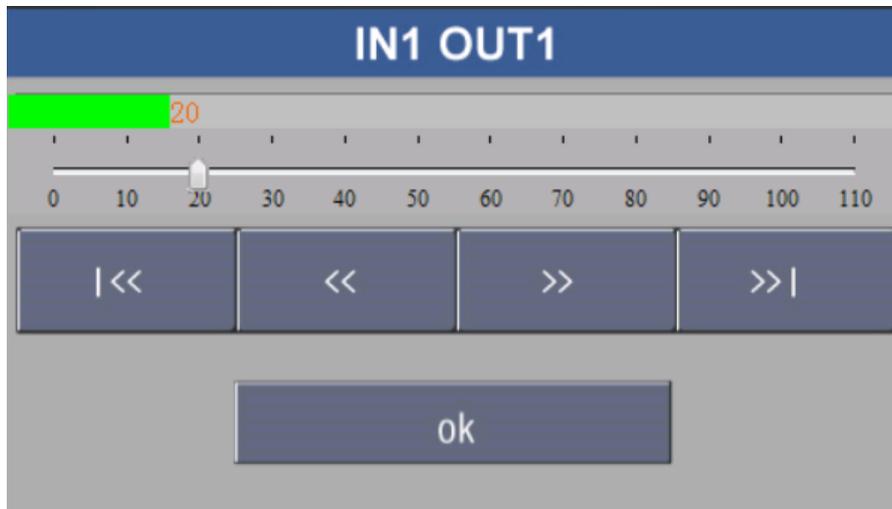
Specification	6 into 6 out of 18 independent attenuation channel
Height	2U standard cabinet
Frequency Range	700MHz-4GHz
Impedance	50Ω
Attenuation Range	0-110dB 1dB step
Average standing wave ration	≤ 1.4
Decay Accuracy	0-31 ≤ ± 0.3dB; 32-93 ≤ ± 0.5dB; 94-120 ≤ ± 2%
Maximum insertion loss	≤ 9.5dB
Isolation	≥ 110dB
Input Power	+33dBm
Power Supply	110-240V AC 50/60Hz
Control Method	RS232/LAN
Connection Method	NF
Operating temperature	-10°C~50°C(14°F~220°F)

Features

Product Name	GPA636
Suitable	Multi-channel independent attenuation application environment
Input/ Output	6 into out of 18 independent attenuation control NF
Display	Resistance touch screen attenuation settings, function selection
Communication	RJ45/RS232
Control	18-way attenuation of independent network control, device keys independently controlled
Set	Network address, rate setting, communication rules setting
Power Supply	Power switch, power off memory

- Each attenuator can be manually pressed on the front panel and the screen touch adjustment;
- RS232 serial port or Ethernet command adjustment;
- The system supports 0-110dB attenuation per channel scan;
- Support for storage attenuation settings and recalls.

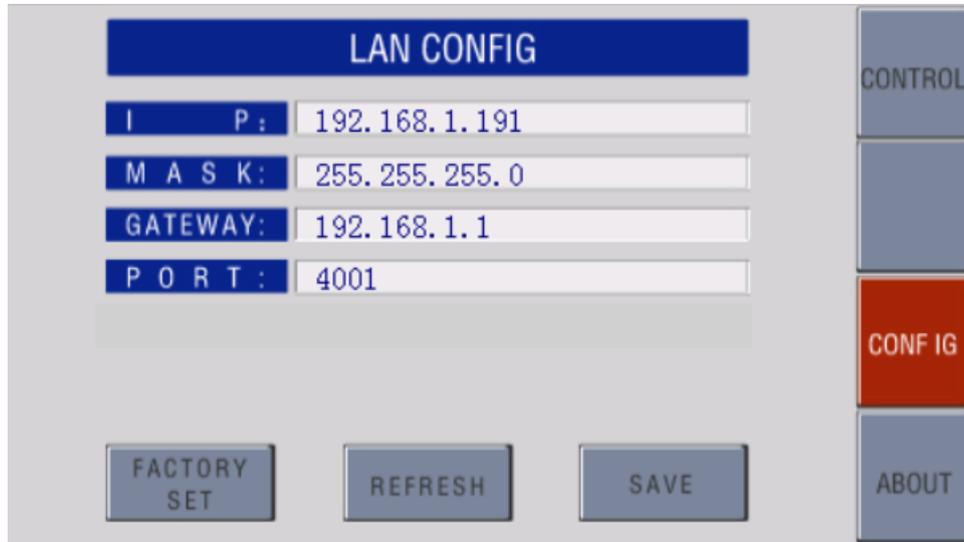
Operation instructions



Touch screen click channel for attenuation setting, you can use slider and arrow to adjust, click "OK" to complete attenuation setting.

	OUT1/OUT4	OUT2/OUT5	OUT3/OUT6	
IN1	0dB	0dB	0dB	CONTROL CONF IG ABOUT
IN2	0dB	0dB	0dB	
IN3	0dB	0dB	0dB	
IN4	0dB	0dB	0dB	
IN5	0dB	0dB	0dB	
IN6	0dB	0dB	0dB	
MULTI SET ALL EMPTY INVERSE				

“MULTI” is a multi-channel setting. To enter the point, you need to adjust the channel. Click “SET” to set the multi-channel attenuation setting.



"CONF IG" is the IP information settings, "REFRESH" refreshes and displays the current IP information. After changing the information, you need to click "SAVE" to save the current settings. After the change is successful, the device network indicator lights out and re-lights up. FACTORY SET can restore the IP information factory settings.

Initial value description

product name	GPA636
IP address	192.168.1.191
Subnet mask	255.255.255.0
Default gateway	192.168.1.1
port	4001
Default initial switch state	All channels are attenuated by 110dB

communication protocol

The GPA636 series uses the 10M/100Mbase Ethernet communication protocol, which can be easily connected to the network. Users can access the system easily via Ethernet. Support Telnet communication protocol, users can control the system by typing ASCII code, or control by the control software provided with the device.

Communication data format :

Single channel attenuation query

Instruction format	chxx (No spaces)
Parameter Description	xx= Query channel (two digits)
Example	ch11 check the 11th road ch09 check the 9th road
return	If the format is correct, the device receives the command to return the current attenuation of the channel. The format is incorrect and there is no return. For example, if "012dB" is returned, the channel attenuation of the current query is 12dB.
Instruction description	Query single channel attenuation

Single channel attenuation setting

Instruction format	setdvaabbb (No spaces)
Parameter Description	aa= Set the number of channels to be attenuated , bbb= Set attenuation
Example	setdv05068 Set the 5th channel attenuation to 68dB
return	If the format is correct, the device receives an instruction and returns "OK", Incorrect format, no return
Instruction description	Single channel attenuation setting

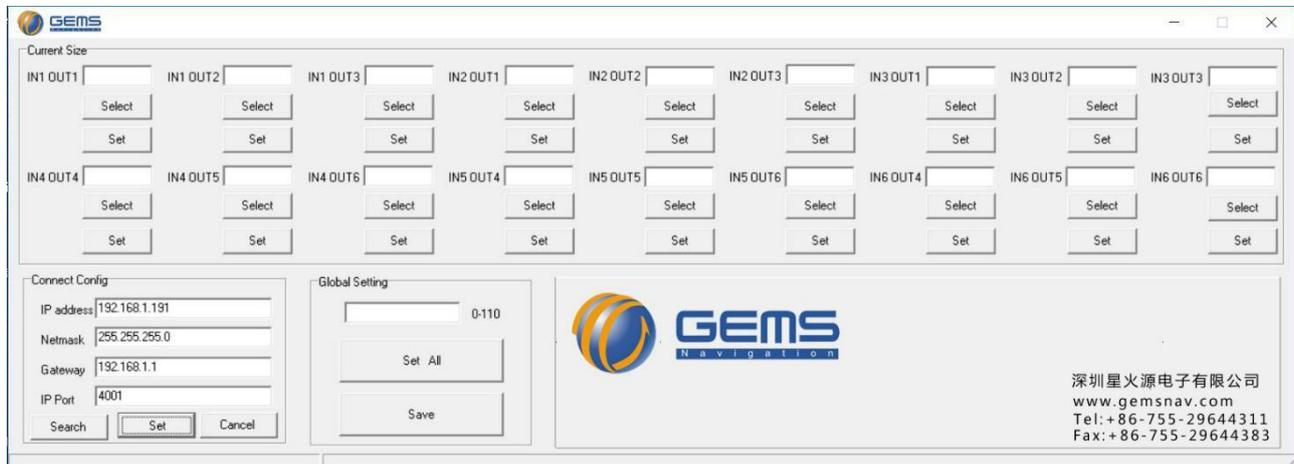
All channel attenuation settings

Instruction format	setallyyy (No spaces)
Parameter Description	yyy= Set attenuation value
Example	setall101 Set all channel attenuation to 101dB
return	If the format is correct, the device receives an instruction and returns "OK", Incorrect format, no return
Instruction description	All channel attenuation settings

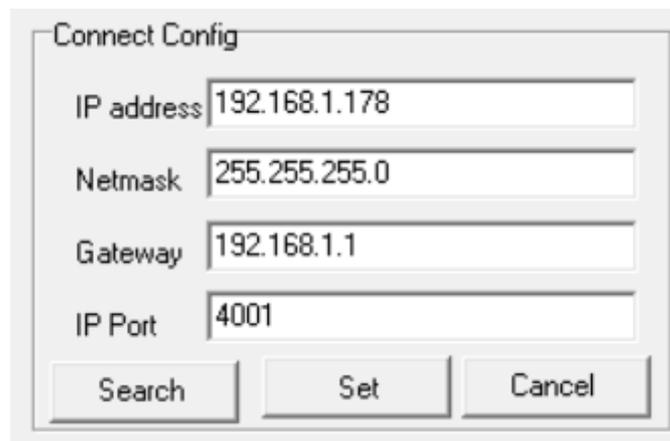
Save attenuation settings

Instruction format	save (No spaces)
Parameter Description	no
Example	save Save attenuation settings
return	If the format is correct, the device receives an instruction and returns "OK", Incorrect format, no return
Instruction description	Save attenuation settings

Software control instructions



The "Power Control" column is the channel attenuation query and setting. Click "Select" to read the channel attenuation value. Type the value and click "Set" to set the desired channel attenuation. "Global Setting" can set all channel attenuation. "Save" "Save channel attenuation settings. If you want to modify the IP address information, you can change it by entering the IP address in the "Connect Config" column "IP address" and clicking "Set".



Note: The modification of other settings will cause the communication to fail. If you need further modification, please contact the supplier.

