Simply Better Connections

Command Line Interface (CLI) Guide

AP206 / AP212
Power Amplifier with DSP

About this Guide

The AP206 / AP212 can be configured and controlled via RS-232 or Telnet commands when connected to a host computer or other device, such as a control system. This guide provides information on how to connect to the AP206 / AP212 via RS-232/Telnet and command syntax.

An overview of the information found in the manual is provided below.

Chapter 1, *Remote Terminal Operations* introduces you the prerequisite, how to start a Telnet session and how to establish HyperTerminal session to send RS-232 commands.

Chapter 1, *CLI Commands* provides the command syntax and the commands that controls the AP206 / AP212.

Note:

- Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit or any connected devices.
- This product may be updated, with features and functions added, improved or removed since the release of this manual. For an up-to-date user manual, visit http://www.aten.com/global/en/

Contents

1. Remote Terminal Operations

2. CLI Commands

Conventions

This manual uses the following conventions:

`Monospaced`	Indicates text that you should key in.
[ ]	Indicates keys you should press. For example, [Enter] means to press the **Enter** key. If keys need to be chorded, they appear together in the same bracket with a plus sign between them: [Ctrl+Alt].
1.	Numbered lists represent procedures with sequential steps.
♦	Bullet lists provide information, but do not involve sequential steps.
>	Indicates selecting the option (on a menu or dialog box, for example), that comes next. For example, Start > Run means to open the *Start* menu, and then select *Run*.
⚠	Indicates critical information.

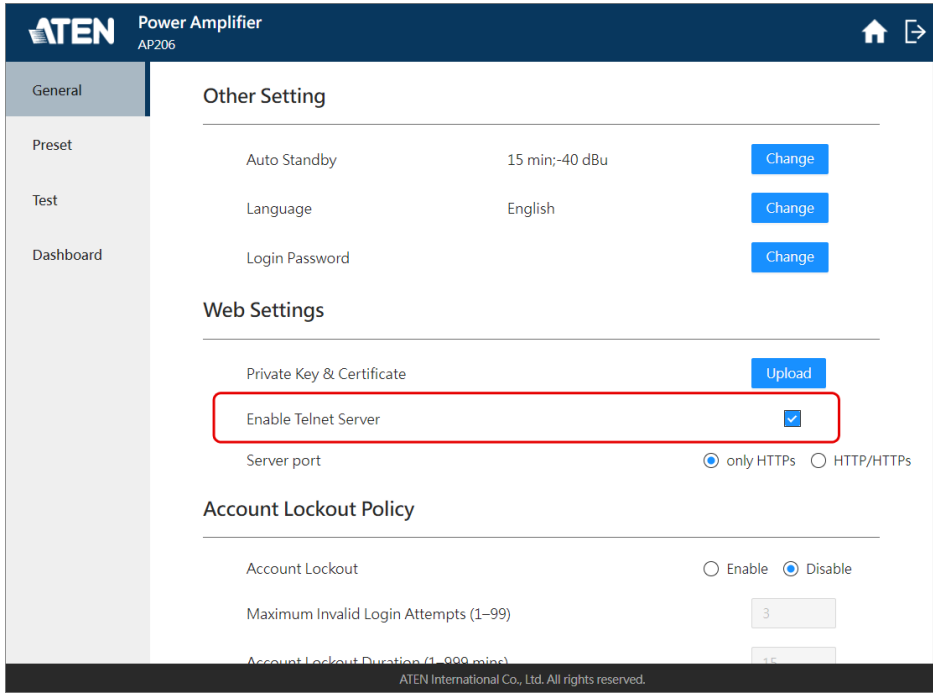
Chapter 1
Remote Terminal Operations

Overview

With AP206 / AP212 Power Amplifier with DSP you can log in remotely from a computer using RS-232 / Telnet interface that allows system control through a high-end controller or PC.

Setup

To use a text based terminal application such as Telnet to remotely control the AP206 / AP212, log in to the unit's web console, go to the Setting screen > General tab > Web Settings, and check the checkbox of Enable Telnet Server.



Note: The above figure is for reference only. The actual settings screen on the web console might be slightly different.

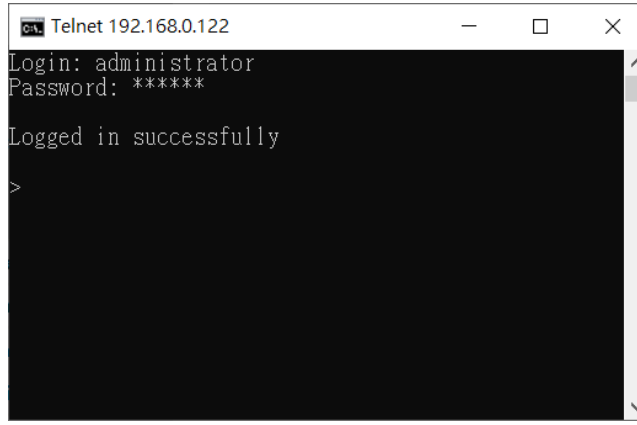
Connecting to the AP206 / AP212 via Telnet

To establish a Telnet session with the AP206 / AP212, do the following:

1. Connect a host computer or control system to a shared network with the AP206 / AP212.
2. Open a command-line interpreter program from your computer.
3. In the command-line interpreter, type the AP206 / AP212's IP address in the following way:

   ```
   telnet [IP address]
   ```

4. Press **Enter**. The login screen appears.
5. At the login prompt, type the login username (*administrator* or *operator*) and the password for the AP206 / AP212. Press **Enter** to submit.



Note: The login username must be all lowercase.

6. When a session is established with the AP206 / AP212, you can control and configure the AP206 / AP212 via commands. For more information on commands, see:
   - *Command Syntax*, page 5
   - *Command List*, page 6

Note: If a user logs in using a username that is already in session, the newest login takes effect and the previous session will be replaced.

Connecting to the AP206 / AP212 via RS-232

1. Connect a host computer or control system to the RS-232 Serial port on the AP206 / AP212 unit.
2. Download and install controller software that supports RS-232 serial control and the operation system of your controller PC.
3. Execute the software and configure the connection settings to the following:
   - Baud rate: **19200**
   - Data bits: **8**
   - Stop bits: **1**
   - Parity: **None**
   - Flow control: **None**
4. When a session is established with the AP206 / AP212, you can control and configure the AP206 / AP212 via RS-232 commands. For more information on commands, see:
   - *Command Syntax*, page 5
   - *Command List*, page 6

Note: RS-232 doesn't work when the unit is in standby mode.

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Chapter 1
CLI Commands

Overview

The AP206 / AP212 can be configured and controlled via RS-232 or Telnet commands when connected to a host computer or other device, such as a control system. This chapter provides information on command syntax and the commands that controls and configures the AP206 / AP212.

Command Syntax

- The general form of a command is:

  command parameter<argument> {one|two|three}

Notation	Description
command	The name of the command is shown in bold.
parameter	Indicates the name of the parameter.
<argument>	Indicates the name of the value or the information that the user must provide. Only type the information in the angle brackets, not the brackets themselves.
[ ]	Indicates optional items. Only type the information in the brackets, not the brackets themselves.
{ }	Indicates a set of choices from which the user must choose one.
|	Indicates two or more mutually exclusive choices in a command line. Only type one of the choices in the command line, not the symbol.

- If you have two or more parameters, the order of these parameters among themselves does not affect the result of the operation. For example, both of the following commands execute the same task:

  command name + parameter 1 + parameter 2

  command name + parameter 2 + parameter 1

Command List

Use the following commands to control and configure the AP206 / AP212 via Telnet or RS-232. For details on establishing a Telnet or RS-232 session to the AP206 / AP212, see *Connecting to the AP206 / AP212 via Telnet*, page 20 and *Connecting to the AP206 / AP212 via RS-232*, page 21.

Channel Numbers

Use the table below to find out the argument value for each channel on the AP206 / AP212. For example, the <n> value for Speaker Out Channel A is o1, and the <n> value for Line Out Channel 2 is o4.

Channel	Channel Number	Argument Value
Seaker Out		
Channel A	output 1	1
Channel B	output 2	2
Line Out		
Channel 1	output 3	3
Channel 2	output 4	4

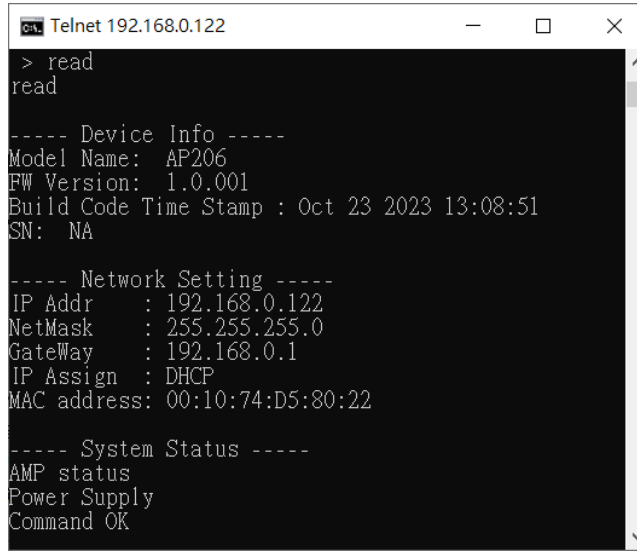
read

- **Function**

  To show the device information, network setting, and the system status.

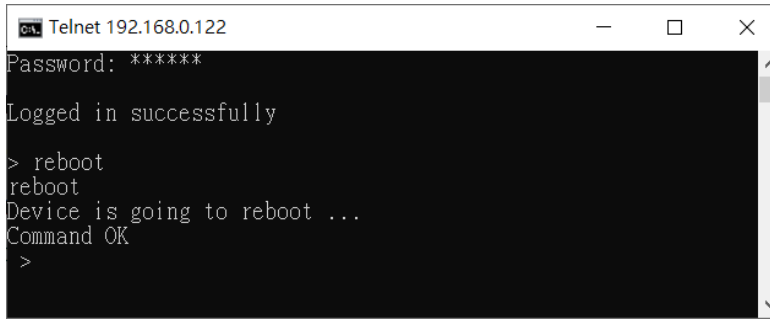
- **Syntax**

  `read`



Note: The above figure is for reference only. The actual command response might be slightly different.

reboot



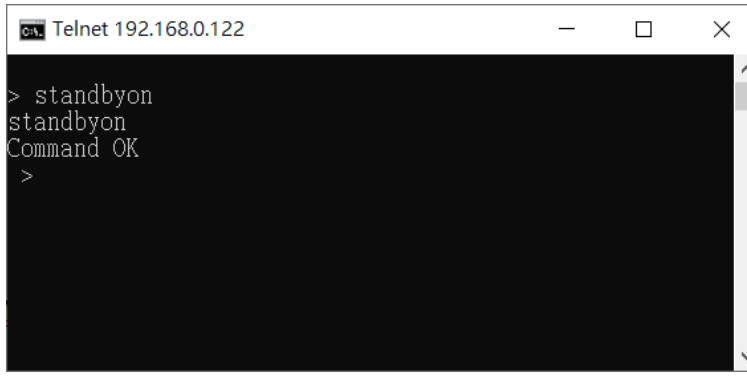
- **Function**

  To switch the unit off and then start it again.

- **Syntax**

  `reboot`

standbyon



- **Function**

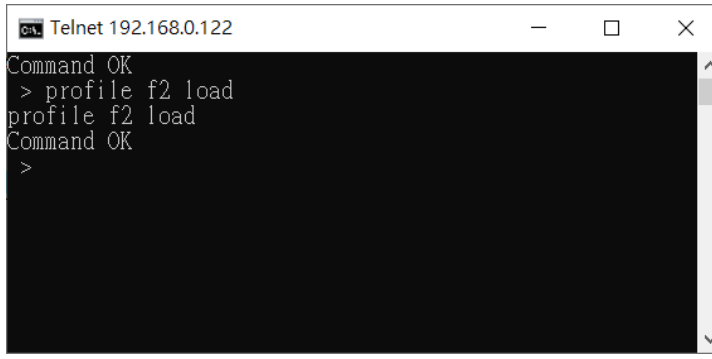
  To put the unit to standby mode which is a low-power state.

- **Syntax**

  `standbyon`

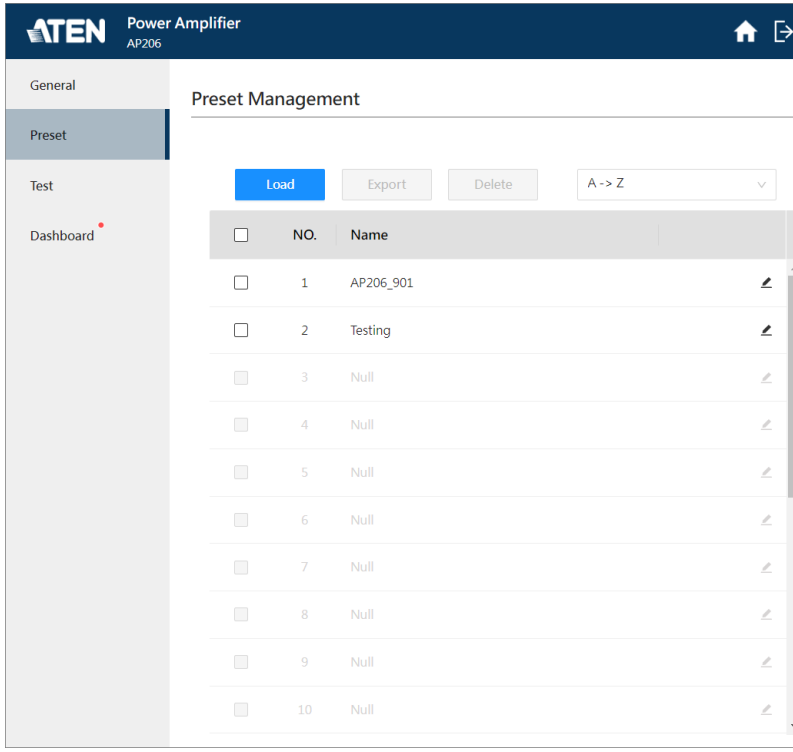
Note: RS-232 doesn't work when the unit is in standby mode.

profile f[n] load



- **Function**

  To apply an existing preset.
  The [n] value is the preset number which is identical to what the preset is configured on AP206 / AP212 web console. The available number range is from 1 to 20.



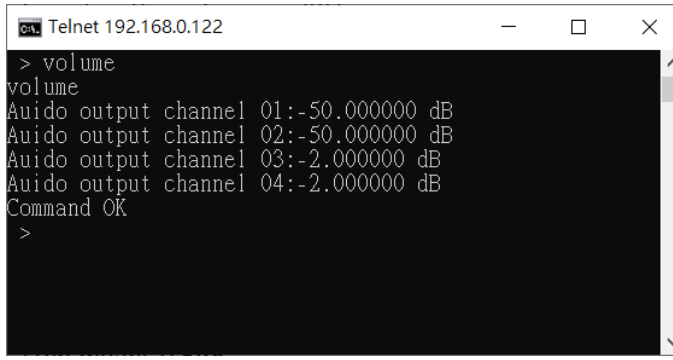
- **Syntax**

  ```
  profile f[n] load
  ```

- **Example**

  ```
  profile f2 load
  ```

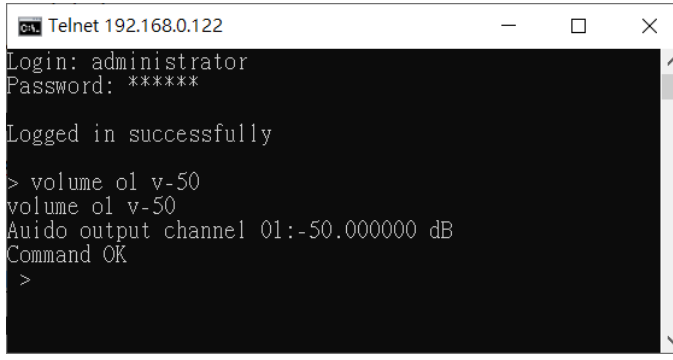
volume



- **Function and Syntax**

Syntax	Function
volume	To show the output volume of each channel.
volume o[n] v[x]	To adjust the output volume of the designated channel.
volume o[n] step[s]	To increase or decrease the output volume in the units of 0.5dB.

- **Parameters**
  - o[n]:
    Specifies a channel in one digit. See *Channel Numbers*, page 6 for details.
  - v[x]:
    Specifies the volume in dBFS.



Note: 1. The available range for Speaker Out Channel A and Channel B is from -50 to 12 dB and -90 dB.

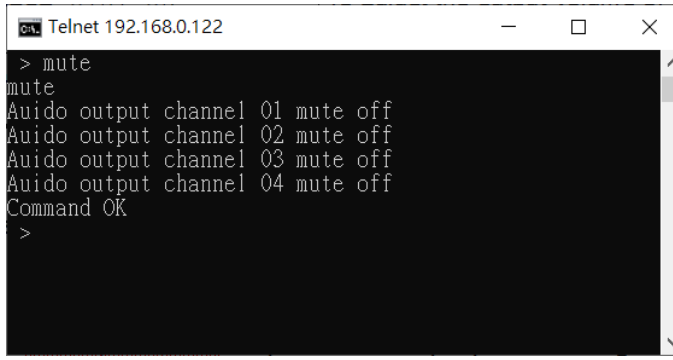
2. The available range for Line Out Channel 1 and Channel 2 is from -80 to 6 dB and -90 dB.

- `step[s]:`
  Specifies how many steps to be increased or decreased in digits. One step means 0.5dB.

- **Example**

  `volume` `o4 step-2`

mute

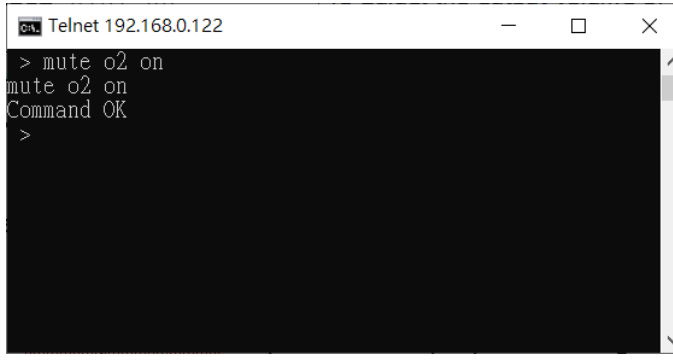


- **Functions and Syntax**

Syntax	Function
mute	To show the mute/unmute status of each channel.
mute o[n] on	To mute the designated channel.
mute o[n] off	To unmute the designated channel.

- **Parameters**
  - o[n]:
    Specifies a channel in one digit. See *Channel Numbers*, page 6 for details.
  - On: Mute the specified channel.
  - Off: Unmute the specified channel.
- **Example**

  mute o2 on



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