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AMP-7040

40W Audio Amplifier

Command List

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Control List

RS-232

Baud rate: 9600
Data bit: 8 bit
Stop bit: 1 bit
Parity: No

Commands terminated with "." or "%". **(Do not append carriage returns to the commands)**

Note: The AMP-7040 has a 16 position selector switch used to identify units connected in a RS-485 configuration. Prefixing the command with "ID#/" is required where ID# is the selector switch setting, 1 thru F. No command prefix is required when the selector switch setting is 0.

Command	Response	Description
1A1.	A: 1->1	Switching the audio to input 1
2A1.	A: 2->1	Switching the audio to input 2
3A1.	A: 3->1	Switching the audio to input 3
0A0.	Mute	Mute microphone and audio output
1A0.	Mute MIC	Mute microphone audio
2A0.	Mute LIN	Mute line audio
0A1.	Unmute	Unmute audio
3A0.	Gate On	Switch on squelch
4A0.	Gate Off	Switch off squelch
600%	A: 1->1 Volume of MIC: 30 Bass of LINE: 00 Treble of LINE: 00 Ducking Off	Check the current amplifier status
601%	Volume of MIC: 51	Increases microphone level
602%	Volume of MIC: 51	Decreases microphone level
603%	Volume of LINE: 51	Increases line level audio
604%	Volume of LINE: 51	Decreases line level audio
605%	Bass of LINE: 04	Increases bass level on the line level inputs

Command	Response	Description
606%	Bass of LINE: 04	Decreases bass level on the line level inputs
607%	Treble of LINE: 04	Increases the treble level on the line level inputs
608%	Treble of LINE: 04	Decreases the treble level on the line level inputs
609%	Init OK	Restores settings to the factory default
610%	Ducking off Ducking on	Enables/disables the ducking function
4[xx]%	Ducking of LINE: 50	Directly sets ducking level. [xx] range: 00 to 60
5[xx]%	Volume of MIC: 50	Directly sets the MIC level. [xx] range: 00 to 60
7[xx]%	Volume of LINE: 50	Directly sets the Line level. [xx] range: 00 to 60
8[xx]%	Bass of LINE: 04	Directly sets the Bass level. [xx] range: 00 to 08
9[xx]%	Treble of LINE: 04	Directly sets the Treble level. [xx] range: 00 to 08

RS-232 Control Notes:

1. The letter inside the bracket [] is the variable code, which is changeable.
2. The bracket [] is not included in the RS-232 commands.
3. Any dot "." After the letters is part of the commands.
4. **Ducking function:** when there is an input on MIC, the volume of the line audio will be automatically turned down to the preset volume level. If there is no signal detected on MIC after 5 seconds, the volume will automatically increase to the original setting. If you need to enable/disable the ducking function, send the command "**610%**" (same command toggles ducking on/off).
5. **ID Coding:** the ID codes of the AMP-7040 ranges from 0 to F (hexadecimal). If the address of the ID code is 0, any RS-232 command is available. If the address is 1~F it has a unique ID code that is needed to be added to the front of the RS-232 command. For example, if the ID code is 5 and the desired RS-232 command is "**604%**", the correct command should be "**5/604%**". (There is no need to add "ID/" before the command if the ID code is 0.)

Examples:

1. Switching the input 2 to the line out: **2A1**
2. Turning up the volume of line audio: **603%**
3. Preset the MIC volume to 21: **521%**
4. Check the working status of the AMP-7040: **600%**
5. Turn up MIC volume with product ID code set to 2: **2/601%**

IR REMOTE CONTROL (SOLD SEPARATELY)

NEC Extended Protocol

Key	Device	Sub-Device	OBC
Input Select 1	0x40	0xFF	0x04
Input Select 2	0x40	0xFF	0x46
Input Select 3	0x40	0xFF	
Mic Mute	0x40	0xFF	0x02
Speaker Mute	0x40	0xFF	0x03
Line Mute	0x40	0xFF	0x44
Mic Vol +	0x40	0xFF	0x48
Mic Vol -	0x40	0xFF	0x5C
Line Vol +	0x40	0xFF	0x1B
Line Vol -	0x40	0xFF	0x5A
Bass +	0x40	0xFF	0x58
Bass -	0x40	0xFF	0x59
Treble +	0x40	0xFF	0x15
Treble -	0x40	0xFF	0x54



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