Shenzhen Moshangyin Electronics Technology Co.,Ltd

INNOVATION — DSP car amplifier solution provider since 7 2013, Auto Tune in-car algorithm Innovator

FLEXIBILITY — Fully owned DSP algorithm, M.U.P.C APP software development, customized for 20+ leading Artwork to meet needs

RELIABLE — Own developed auto test factory for each measurement of each channel for every unit before shipment

Date : 24.10.2023
Quotation Request : Audio Mixer
Contact Person : John Zhu
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LEVEL	ENTRY LEVEL						MIDDLE LEVEL			HIGH LEVEL				STANDALONE DSP			AMPLIFIER
Specification	**GS401U**	**GS401U**	**GS501U**	**GS401UD**	**GS501UD**	**GS401UD**	**GS501U**	**GS601B**	**GS610I**	**GS6L150**	**GS801N**	**GS1312E**	**GS1216H**	**DSP401**	**DSP401U**	**DSP501**	**GS1000.1D (mono block amplifier, no DSP built in)**
Type	4 IN 6 OUT	4INBOUT	5INBOUT	4IN6OUT	6IN5OUT	6IN10OUT	6IN5OUT	5 IN 8 OUT	8 IN 10 OUT	5 IN 8 OUT	8IN20OUT	10 IN 12 OUT	12IN20OUT	4 IN 6 OUT	4INB OUT	5INBOUT	1 CHANNEL
Image																	
Input	4 High Level/2 RCA(Optical)8TA/SB	4 High Level/2 RCA(Optical)8TA/SB	8High Level/2 RCA(Optical)8TA/SB	4 High Level/2 RCA(Optical)8TA/SB	6 High Level/2RCA(Optical)8TA/SB	6 High Level/2RCA(Optical)8TA/SB	8High Level/2RCA(Optical)8TA/SB	8 Ch High Level/2 Low Level	8 Ch High Level/2 Low Level	6 Ch High Level/4 Low Level	8 High Level/2 RCA	10 High Level/2 RCA	12 High Level/8 RCA	4 High Level/4 RCA	4 Ch High Level/2 Low Level	6 High Level/4 RCA	2 High Level/2 RCA
Input Voltage(Max)	High Level5 -10Vrms, RCA 0.5 - 2.5Vrms	High Level5 -6-10V,RCA-0.5-5V	High Level5 -6-10V,RCA-0.5-5V	High Level 4-10V,RCA-0.5-5V	High Level 4-10V,RCA-0.5-5V	High Level 4-10V,RCA-0.5-5V	High Level 4-10V,RCA-0.5-5V	High Level5 -10Vrms, RCA 0.5-2.5Vrms	High Level CH1-6 4-10Vrms, CH7-8 6-20VmsRCA 0.5-2Vrms	High Level 4-10Vrms, RCA -0.5-5Vrms	High Level 3-12V,RCA-0.6-8V	High Level -8-16Vrms, RCA - 2-7Vrms	High Level 3-12V,RCA-0.6-8V	High Level 3-15V,RCA 1-7V	High Level5 -10Vrms, RCA 0.5-2.5Vrms	High Level 3-15V,RCA 1-7V	High Level5 -8-40V,RCA-0.6 -2.6V
Output	4 High Level/4 Low Level	8 High/4 RCA	8 High/8RCA	4High/8RCA	8 High/10RCA	10High/12RCA	8 High/10RCA	8 High/10RCA	8 High/10RCA	8 High Level/10 Low Level	8 High Level/12 Low Level	8 High Level/12 RCA	12 High/18RCA	12High/8RCA	6 Line Level	RCA Output+ RCA	1High/2RCA
Output Voltage (Max)	Amplifier output -10Vrms, RCA-2Vrms	Amplifier output -10Vrms, RCA-2Vrms	Amplifier output -10Vrms, RCA-2Vrms	Amplifier output - 14Vrms, RCA-2Vrms	Amplifier output - 10Vrms, RCA-2Vrms	Amplifier output - 10Vrms, RCA-2Vrms	Amplifier output - 10Vrms, RCA-2Vrms	Amplifier output -13Vrms, RCA -2Vrms	Amplifier output -13Vrms, RCA -2Vrms	Amplifier output - 10Vrms, RCA-2Vrms	Amplifier output -27Vrms, RCA-5Vrms	Amplifier output - 29Vrms, RCA-5Vrms	Amplifier output - 38Vrms, RCA-5Vrms	Amplifier output - 10Vrms, RCA-1.5Vrms	Amplifier output - 25Vrms, RCA-5Vrms	4V	Amplifier output -27Vrms, RCA-5Vrms
Output Gain	Power Amplifier 26dB	Power Amplifier 26 dB	Power Amplifier 26 dB	Power Amplifier 26 dB	Power Amplifier 26 dB	Power Amplifier 26 dB	Power Amplifier 26 dB	Power Amplifier 26 dB	Power Amplifier 26dB	Power Amplifier 26dB	Power Amplifier 26dB	Power Amplifier 30dB	Power Amplifier 30 dB	Power Amplifier 26 dB	Power Amplifier 30 dB	N/A	N/A	N/A
Optical In	Yes	YES	YES	YES	YES	YES	YES	Yes	Yes	Yes	Yes	YES	Yes	YES	YES	YES	YES	NA
Coaxial In	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Yes	NA	Yes	YES	YES	YES	YES	NA
Amplifier type	CLASS AB	CLASS AB	CLASS AB	CLASS AB	CLASS D	CLASS D	CLASS D	Class D	Class D	Class D	Class D	Class D	Class D	Class AB/D	Class D	N/A	N/A	Class D
Power Output	25Wx4@4 Ohms, 50W(4@2 OHMS)	8x25W @ 4 OHMS , 8x50W@ 2 OHMS	8x25W @ 4 OHMS , 8x50W@ 2 OHMS	4x50W @ 4 OHMS, 2x100W @ 2 OHMS	6x50W @ 4 OHMS - 2x 150W@ 2 OHMS (output 300W@4OHM)	6x80W RMS @ 4 OHMS - 6x70W@ 2 OHMS	6x80W RMS @ 4 OHMS , 6x70W@ 2 OHMS	6x80W RMS @ 4 OHMS , 6x70W@ 2 OHMS	6x80W RMS @ 4 OHMS , 6x70W@ 2 OHMS	8x80W RMS @ 4 OHMS , 8x50W@ 2 OHMS	EK150W RMS @ 4 OHMS, EK280W@2 OHMS (EK300W@4 OHMS,BRIDGED)	EK150W RMS @ 4 OHMS, EK280W@2 OHMS, EK300W@4 OHMS,BRIDGED	4X80W+1X400W	12X150W RMS @ 4 OHMS, 12X280W@2 OHMS, EK300W@4OHMS, BRIDGED	NA	NA	NA	1x280W @ 4 OHMS , 1x450W@ 2 OHMS , 1x1000W@ 1 OHMS
(AD & DA) Signal Conversion	CIRRUS LOGIC SMART HIFI 3-core DSP	CIRRUS LOGIC SMART HIFI 3-core DSP	CIRRUS LOGIC SMART HIFI 3-core DSP	CIRRUS LOGIC SMART HIFI 3-core DSP	CIRRUS LOGIC SMART HIFI 3-core DSP	CIRRUS LOGIC SMART HIFI 3-core DSP	CIRRUS LOGIC SMART HIFI 3-core DSP	CIRRUS LOGIC 32Bit DSP	CIRRUS LOGIC 32Bit DSP	CIRRUS LOGIC 32Bit DSP	CIRRUS LOGIC 32Bit DSP	CIRRUS LOGIC 32bit CS47048C-DQZR AKM4619	CIRRUS LOGIC 32bit CS47048C-DQZR AKM4619	CIRRUS LOGIC 32bit CS47048C-DQZR	CIRRUS LOGIC 32bit CS47048C-DQZR	CIRRUS LOGIC 32bit CS47048C-DQZR CS5343	
Sampling Rate	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	ADIDA Converter 24-bit/192kHz	ADIDA Converter 24-bit/192kHz	ADIDA Converter 24-bit/192kHz	AMM 24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC	24Bit/192KHz ADC/DAC
EQ/Delay	31Band EQ/ 15ms	31Band EQ/15ms	31Band EQ/15ms	31Band EQ/15ms	31Band EQ/15ms	31Band EQ/15ms	31Band EQ/15ms	31Band EQ/ 15ms	31Band EQ/ 15ms	31Band EQ/ 15ms	4+21+6+31Band EQ/ 15ms	31Band EQ/15ms	31Band EQ/15ms	12+31+6+31Band EQ/15ms	31BandEQ/15ms	31Band EQ/ 15ms	31Band/15ms
Frequency Range	20Hz - 20Khz	20-20kHz	20-20kHz	20Hz - 20Khz	20-20kHz	20-20kHz	20-20kHz	20Hz - 20Khz	20Hz - 20Khz	20Hz - 20Khz	20-20K	20-20K	20-20K	20 - 20kHz	20Hz - 20Khz	20-20K	20-20K
Q Value(Slope)	0.5-9 (adjustable)	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9	0.5-9 (adjustable)	0.5-9	0.5-9
EQ Gain	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	-18.0dB +12.0dB	12.0dB
Filtering	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link 7P	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link	Butter , Bessel, Link
Filtering Crossover point	20Hz - 20Khz	20-20kHz	20-20kHz	20-20kHz	20-20kHz	20-20kHz	20-20kHz	20Hz - 20Khz	20Hz - 20Khz	20Hz - 20Khz	20Hz - 20Khz	20-20kHz	20-20kHz	20-20kHz	20Hz - 20Khz	20-20kHz	20-20k
Filter slope	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct	6dB/oct - 48dB/Oct
Phase	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180	0 -180
Time Alignment (delay)	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms	15ms
Preset	10	10	10	10	10	10	10	10	10	10	10	10	10	10	15ms	10	10
Frequency Respone	20 -20kHz	20-20kHz	20-20kHz	20-20kHz	20 -20kHz	20-20kHz	20-20kHz	20 -20kHz	20 -20kHz	20-20kHz	20-20kHz	20-20kHz	20-20kHz	20-20kHz	20 - 20kHz	20-20kHz	20-20k
Signal to Noise - RCA	85dB	85dB	85dB	85dB	85dB	85dB	85dB	90dB	90dB	90dB	95dB	95dB	95dB	95dB	98dB	98dB	90dB
Signal to Noise - Power Amp	87dB	87dB	87dB	87dB	87dB	87dB	87dB	90dB	90dB	90dB	95dB	95dB	90dB	90dB	N/A	87dB	96dB
Input Resistance	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ	20kΩ
Low level output Resistance	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω	680Ω
THD +N	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%	< 1%
Noise Floor																	
Intermodulation Distortation																	
Channel Seperation	60dB							70dB	70dB	60dB		70dB		85	60dB	85	
Static Current	0.35A	0.45A	0.45A	0.33A	0.45A	0.45A	0.45A	0.42A	0.6A	1.4A	1.3A	1.2A	1.9A	0.23A	0.35A	0.27A	0.7
Operating Voltage	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V	9-16V
Working Current Range	0.5-10A	0.5-16A	0.5-16A	0.4-20A	0.5-18A	0.5-18A	0.5-18A	0.5-17A	0.5-17A	0.5-36A	1.5-75A	1.5-75A	1.5-35A	2-75A	0.3-1A	0.5-10A	1-40A
Temperature resistance	NA	NA	NA	Yes	NA	NA	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA
Bluetooth	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	yes	Yes	yes
Bluetooth Version	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	Built in APTX HD	5	APTX HD Blutooth built in	Built in APTX HD	built in APTX HD BT	5	5.1	5	NA
USB Built in	Yes	YES	YES	YES	YES	YES	YES	NA	Yes	YES	Yes	NA	NA	YES	NA	NA	NA
USB Music Playback	mp3, wma,wav, m4a, aac and lossless format FLAC, APE	mp3, wma,wav, m4a, aac and lossless format FLAC, APE	mp3, wma,wav, m4a, aac and lossless format FLAC, APE	mp3, wma,wav, m4a, aac and lossless format FLAC, APE	mp3, wma,wav, m4a, aac and lossless format FLAC, APE	mp3, wma,wav, m4a, aac and lossless format FLAC, APE	mp3, wma,wav, m4a, aac and lossless format FLAC, APE	NA	NA	NA	NA	NA	NA	NA	mp3, wma,wav, m4a, aac and lossless format FLAC, APE	NA	NA
PC Connection	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	Yes/Same for all Models	NA
PC Software - Customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with our Brand Logo	Provide by greenwound with our Brand Logo	Provide by greenwound with our Brand Logo	NA
Android App- Customer Brand Logo	Compatible with Win 7.0 Above	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Provide by greenwound with customer Brand Logo	Compatible with Win 7.0 Above	Compatible with Win 7.0 Above	Compatible with Win 7.0 Above	Compatible with Win 7.0 Above	Provide by greenwound with customer Brand Logo	Compatible with Win 7.0 Above	Provide by greenwound with our Brand Logo	Compatible with Win 7.0 Above	Provide by greenwound with our Brand Logo	NA
IOS app- Customer Brand Logo	Yes, App Store(Provide by Greenwound)	Yes, App Store(Provide by Greenwound)	yes	yes	yes	yes	yes	Yes, App Store(Provide by Greenwound)	Yes, App Store(Provide by Greenwound)	Yes, App Store(Provide by Greenwound)	YES	Yes, App Store(Provide by Greenwound)	YES	YES	Yes, App Store(Provide by Greenwound)	YES	YES
Auto Turning	NA	NA	NA	NA	NA	NA	NA	Yes	Yes	NA	Yes	YES	NA	NA	YES	NA	YES
REM Input	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	3.5V	6V
REM Output	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A	0.1A
Over heat protection	NA	NA	NA	YES	NA	NA	NA	Yes	Yes	Yes	YES	Yes	YES	NA	NA	NA	YES
Over Load Protection	NA	NA	NA	YES	NA	NA	NA	Yes	Yes	Yes	YES	Yes	YES	NA	NA	NA	YES
Working Indicators	Yes	YES	YES	YES	YES	YES	YES	Yes	Yes	Yes	Yes	Yes	YES	YES	Yes	YES	Yes
Universal Power Cord	Inlcude Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	Include Aftermarket Universal	NA	Include Aftermarket Universal	NA	Include Aftermarket Universal	NA	NA
Instruction Manual	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English	Yes, English
Giftbox/Warranty Card	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Customer	Yes, Artwork by Enigma	Yes, Artwork by Enigma	Yes, Artwork by Enigma	Yes, Artwork by Customer
Gross Weight Kgs																	
Dimension (L)X(W)X(H)mm	162mm×106mm×42mm	177×125.8×48mm	177×125.8×48mm	177×125.8×48mm	232×176×45mm	232×176×45mm	232×176×45mm	185×106×43mm	185×106×43mm	185×106×43mm	195×106×43mm	219×233×45mm	219×252×45mm	218×233×45mm	280×252×45mm	130×87×35mm	162mm×106mm×42mm	162×153×42mm	200×106×43mm
MOQ	50PCS	250pcs	50PCS	50PCS	50PCS	50PCS	50PCS	50PCS	50PCS	50PCS	50PCS	50 pcs	50PCS	50 pcs	50PCS	200	50PCS	50	50PCS
Lead Time	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	6-8 weeks	100	6-8 weeks	6-8 weeks	6-8 weeks
Sample Availability	in stock	YES	YES	YES	NO	YES	YES	in stock	in stock	in stock	in stock	YES	YES	YES	in stock	NO	in stock	YES	YES
Product Life	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years
Heat Sink	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option	Universal with Color Change Option
If private Heat sink Developed, COST																	
BT Dongle option Price	NA	NA	NA	NA	NA	NA	NA	9.8	NA	NA	9.8	NA	NA	NA	NA	NA	NA
Microphone FOB	NA	NA	NA	NA	NA	NA	NA	48	48	48	48	NA	NA	NA	NA	NA	NA
Spare parts Support	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES