CLASS-D DIGITAL MODULE WITH DSP

SPECIFICATIONS				
ITEM	D2L	D2L-SUB8	D2L-SUB4	D2L-TWO
8Ω Power	2×500W	1×1600W	1×900W	2×500W
4Ω Power	2×900W	Nonsupport 4Ω	1×1800W	2×900W
Frequency Response	20Hz-20KHz ±1dB			
THD+N 1KHz 1W 8Ω	<0.1%			
Signal to Noise Ratio 1KHz	>100dB			
Channel Separation 1KHz	>80dB			
Class	D			
Protection	Short,DCP,OVP,UVP,OCP,OTP			
Operating Voltage	90V-135V / 180V-265V			
Input Sensitivity	0.77V			
Input Impedance	20KΩ			
DSP Fuction	MUTE,Polarity,Gain,Delay,Limiter,Mixer,EQ,XOver			
DSP Control	USB and RS-485			
Dimensions(W×H×D)	312×190×90mm			
Packing Dimension	350×210×120mm			
Net Weight(kg)	3.8			
Gross Weight(kg)	4.8			

SPECIFICATIONS				
ITEM	D2S	D2S-SUB8	D2S-SUB4	D2S-TWO
8Ω Power	2×500W	1×1600W	1×900W	2×500W
4Ω Power	2×900W	Nonsupport 4Ω	1×1800W	2×900W
Frequency Response	20Hz-20KHz ±1dB			
THD+N 1KHz 1W 8Ω	<0.1%			
Signal to Noise Ratio 1KHz	>100dB			
Channel Separation 1KHz	>80dB			
Class	D			
Protection	Short,DCP,OVP,UVP,OCP,OTP			
Operating Voltage	90V-135V / 180V-265V			
Input Sensitivity	0.77V			
Input Impedance	20KΩ			
DSP Fuction	MUTE,Polarity,Gain,Delay,Limiter,Mixer,EQ,XOver			
DSP Control	USB and RS-485			
Dimensions(W×H×D)	312×140×126mm			
Packing Dimension	350×170×160mm			
Net Weight(kg)	3.6			
Gross Weight(kg)	4.6			

Contents

WARNING NOTICES

SAFEGUARDS

Electrical energy can perform many useful funtions, This unit has been engineered and manufactured to assure your personal safety. Imporoper use can result in potential electrical shock or fire hazards. In order not to defeat the safeguards, observe the following precautions for its installation, use and servicing.

Explanation of Graphical Symbols

**CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN**

**CAUTION
RISK OF ELECTRIC SHOCK :
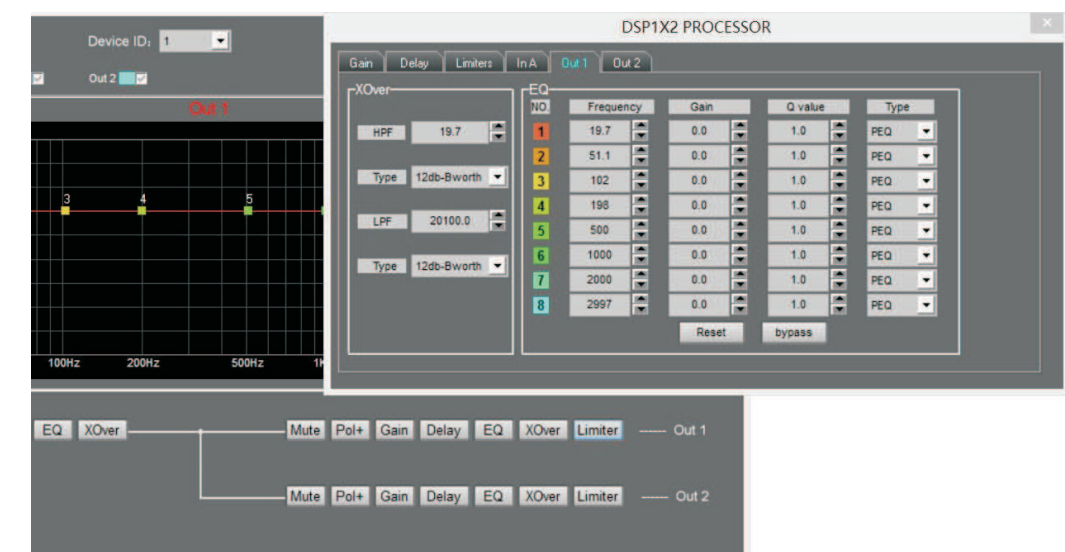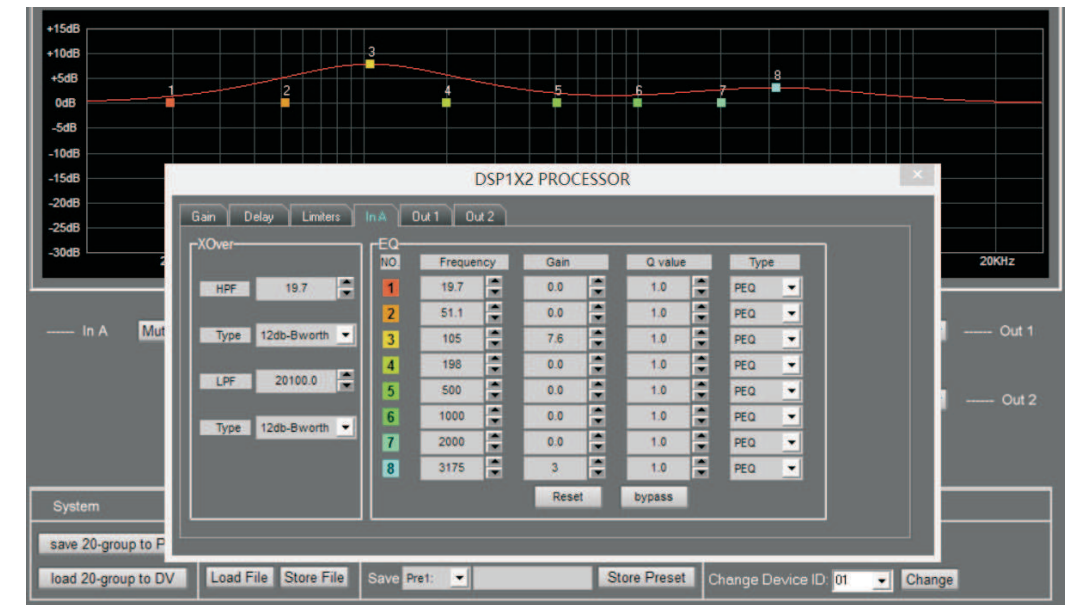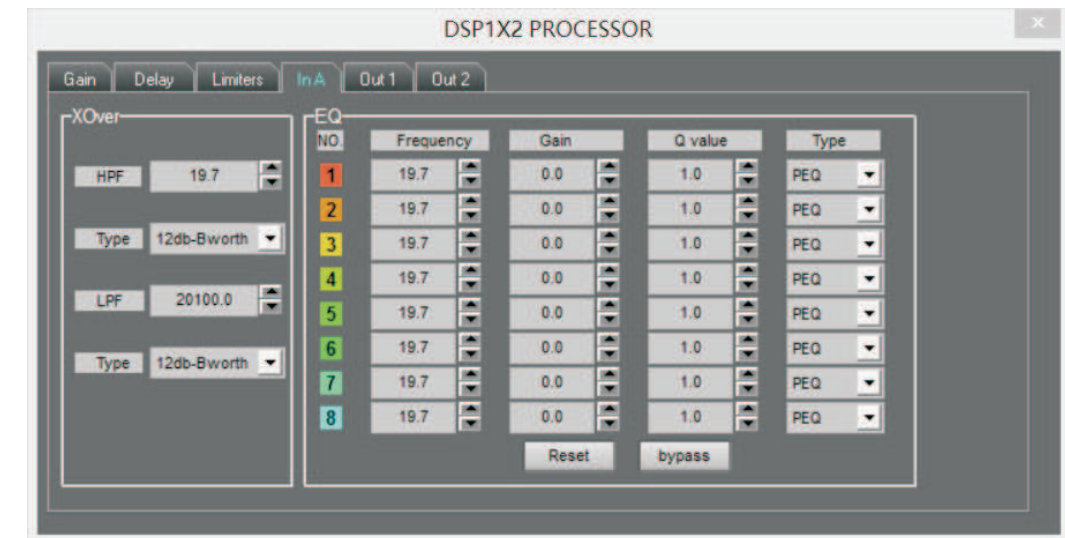OPEN ONLY IF QUALIFIED
AS SERVICE PERSONNEL**

**WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE
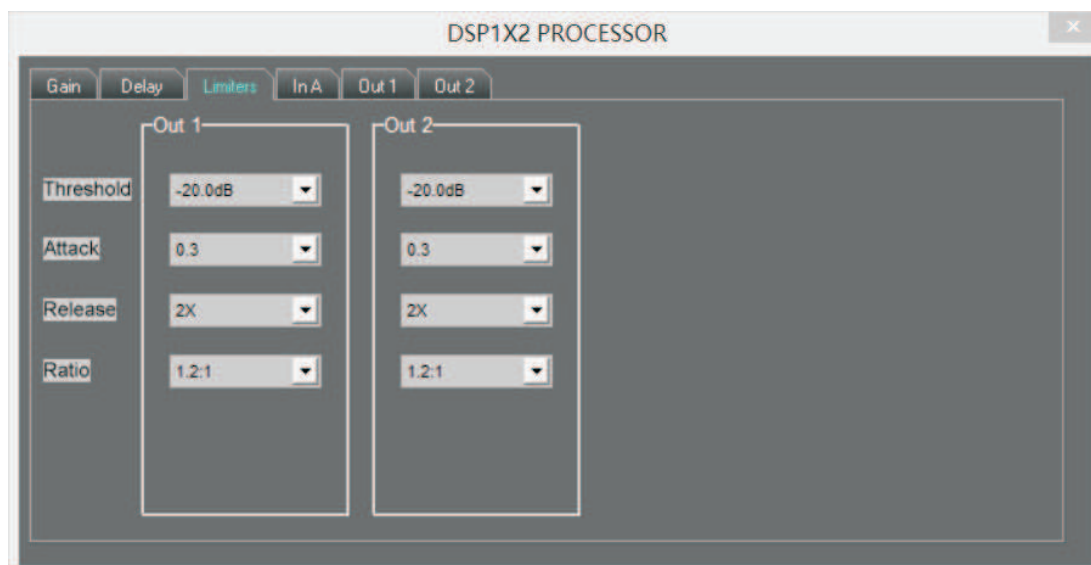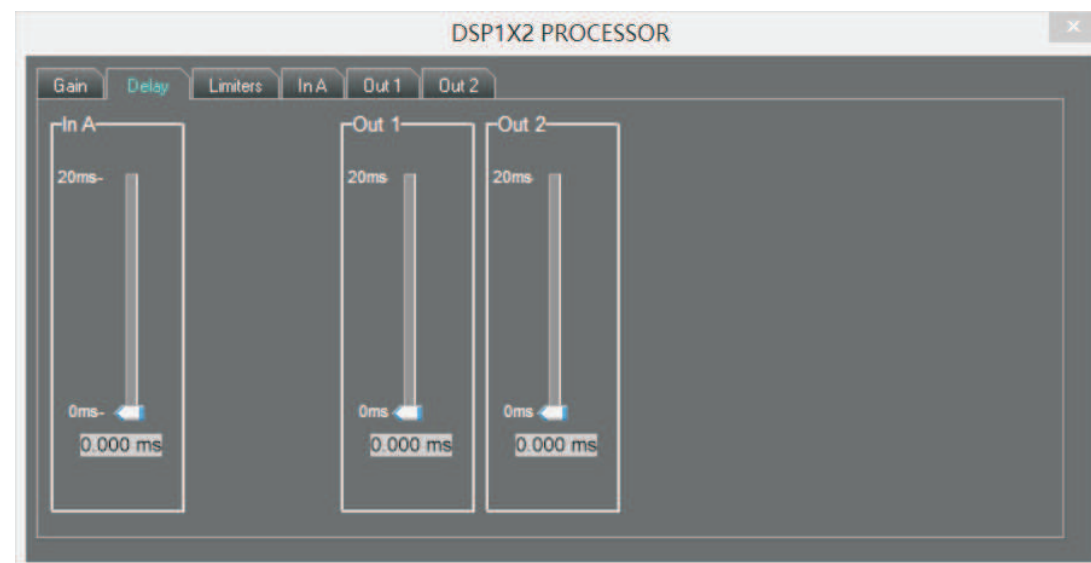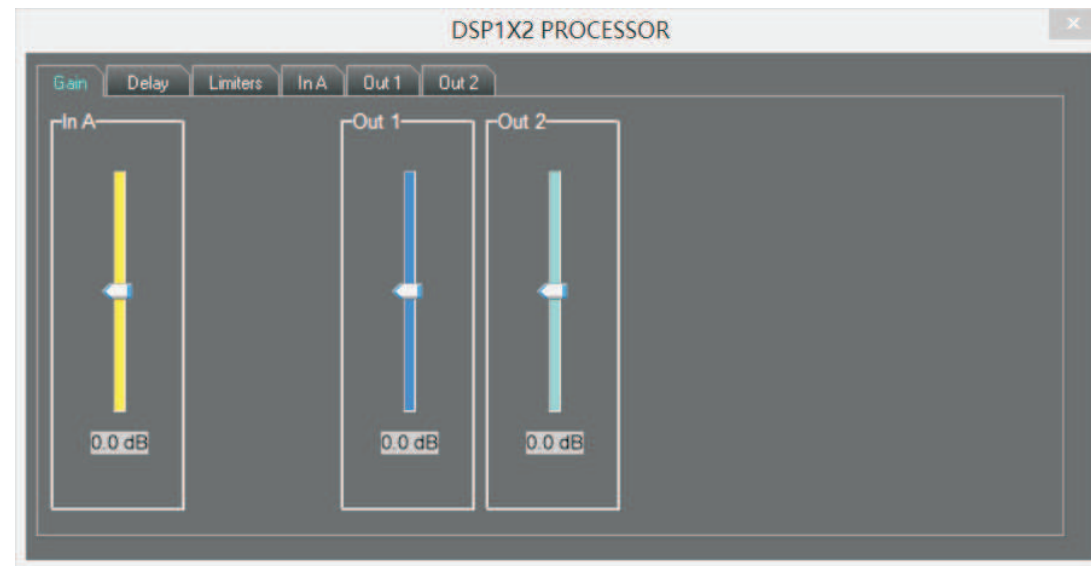THIS EQUIPMENT TO RAIN OR MOISTURE**

IMPORTANT NOTE

ATTENTION: This unit must be protected from damp because of the risk of fire and the possibility of electric shocks.

1. Make sure that you have the correct mains voltage. Only operate the unit at the mains voltage marked on the rear panel.

2. Make sure that nothing especially no metal objects are inserted into the device. This could result in electric shock or malfunction.

3. If the unit is subjected to extreme fluctuations of temperature e.g. On being transported from outside into a heated room, condensation can form. This unit should not be used untill it has reached room temperature.

4. In the event of water or any other fluid being accidentally spilt on the unit switch the unit off immediately and send it to a qualified service workshop for inspection.

5. Make sure that the unit is always well ventilated and never exposed to direct sunlight

6. Do not use sprays to clean the unit as they have a detrimental effect on the unit and could ignite suddenly.

7. The machine use single power switch, please cut off the power before fix.

8. Please do not put the cup, vessel of flower or container above the machine, in case the leak out water then cause the leakage current off the machine.

DSP1X2 PROCESSOR

Gain Delay Limiters In A Out 1 Out 2

XOver

HPF 19.7
Type 12db-Bworth
LPF 20100.0
Type 12db-Bworth

EQ

NO	Frequency	Gain	Q value	Type
1	19.7	0.0	1.0	PEQ
2	19.7	0.0	1.0	PEQ
3	19.7	0.0	1.0	PEQ
4	19.7	0.0	1.0	PEQ
5	19.7	0.0	1.0	PEQ
6	19.7	0.0	1.0	PEQ
7	19.7	0.0	1.0	PEQ
8	19.7	0.0	1.0	PEQ

Reset bypass

+15dB +10dB +5dB 0dB -5dB -10dB -15dB -20dB -25dB -30dB 20KHz

In A Mut — Out 1 — Out 2

DSP1X2 PROCESSOR

Gain Delay Limiters In A Out 1 Out 2

XOver

HPF 19.7
Type 12db-Bworth
LPF 20100.0
Type 12db-Bworth

EQ

NO	Frequency	Gain	Q value	Type
1	19.7	0.0	1.0	PEQ
2	51.1	0.0	1.0	PEQ
3	105	7.6	1.0	PEQ
4	198	0.0	1.0	PEQ
5	500	0.0	1.0	PEQ
6	1000	0.0	1.0	PEQ
7	2000	0.0	1.0	PEQ
8	3175	3	1.0	PEQ

Reset bypass

System

save 20-group to P
load 20-group to DV Load File Store File Save Pre1: Store Preset Change Device ID 01 Change

DSP1X2 PROCESSOR

Device ID: 1
Out 2
Out 1

Gain Delay Limiters In A Out 1 Out 2

XOver

HPF 19.7
Type 12db-Bworth
LPF 20100.0
Type 12db-Bworth

EQ

NO	Frequency	Gain	Q value	Type
1	19.7	0.0	1.0	PEQ
2	51.1	0.0	1.0	PEQ
3	102	0.0	1.0	PEQ
4	198	0.0	1.0	PEQ
5	500	0.0	1.0	PEQ
6	1000	0.0	1.0	PEQ
7	2000	0.0	1.0	PEQ
8	2997	0.0	1.0	PEQ

Reset bypass

100Hz 200Hz 500Hz

EQ XOver Mute Pol+ Gain Delay EQ XOver Limiter — Out 1
Mute Pol+ Gain Delay EQ XOver Limiter — Out 2

DSP1X2 PROCESSOR

Gain | Delay | Limiters | In A | Out 1 | Out 2

In A
0.0 dB

Out 1
0.0 dB

Out 2
0.0 dB

DSP1X2 PROCESSOR

Gain | Delay | Limiters | In A | Out 1 | Out 2

In A
20ms
0ms
0.000 ms

Out 1
20ms
0ms
0.000 ms

Out 2
20ms
0ms
0.000 ms

DSP1X2 PROCESSOR

Gain | Delay | Limiters | In A | Out 1 | Out 2

	Out 1	Out 2
Threshold	-20.0dB	-20.0dB
Attack	0.3	0.3
Release	2X	2X
Ratio	1.2:1	1.2:1

D2L, **D2L‑SUB8**, **D2L‑SUB4**,   **Front Panel**

D2S, **D2S‑SUB8**, **D2S‑SUB4**,   **Front Panel**
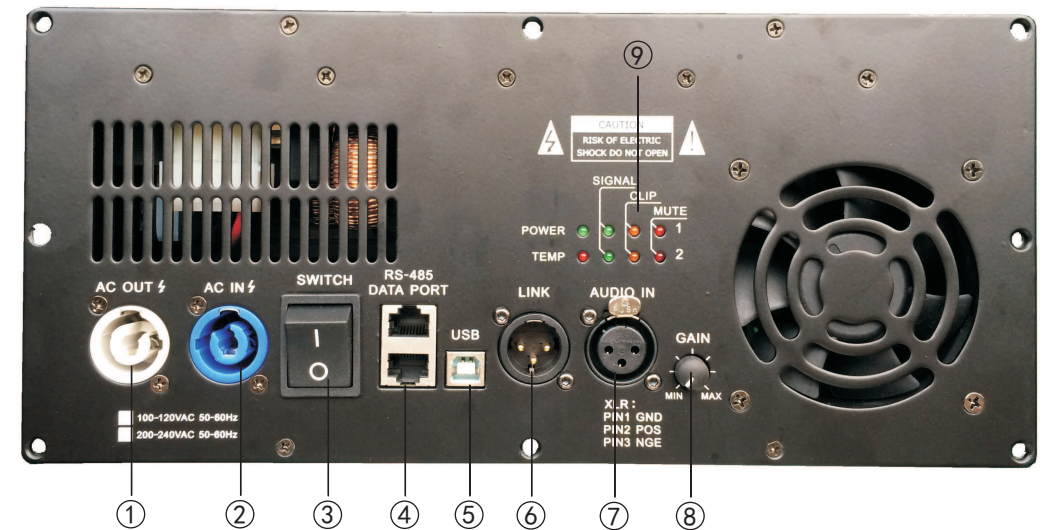
1. POWER   SUPPLY   LINK
2. POWER   SUPPLY   INPUT
3. POWER   SWITCH
4. 485   DATA   CONTROL   INPUT   AND   OUTPUT
5. USB   DATA   CONTROL   INPUT
6. AUDIO   LINK   OUTPUT
7. AUDIO   INPUT
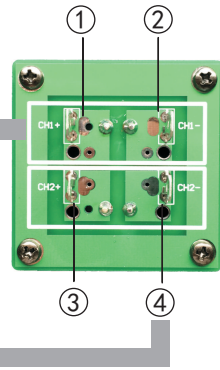8. GAIN   CONTROL
9. LED   INDICATORS

Output connections

D2L-SUB8, D2L-SUB4
D2S-SUB8, D2S-SUB4

① Ch1+ = POSITIVE

④ Ch2- = NEGATIVE

D2L, D2L-TWO
D2S, D2S-TWO

① Ch1   OUT   POSITIVE
② Ch1   OUT   NEGATIVE

③ Ch2   OUT   POSITIVE
④ Ch2   OUT   NEGATIVE

90mm
286mm
163mm
190mm
312mm

D2L
D2L-SUB8
D2L-SUB4
D2L-TWO

INSTALLATION DIMENSION

286mm
126mm
114mm
140mm
312mm

D2S
D2S-SUB8
D2S-SUB4
D2S-TWO
INSTALLATION DIMENSION

ID NUMBER

DSP1X2 PROCESSOR

V 1.3.2.N50

Curve
Show or hidden

PRESET SAVE OR LOAD

ID SETUP

SAVE OR LOAD 1-GROUP PARAMETER TO PC

SAVE OR LOAD 20-GROUP PARAMETER TO PC