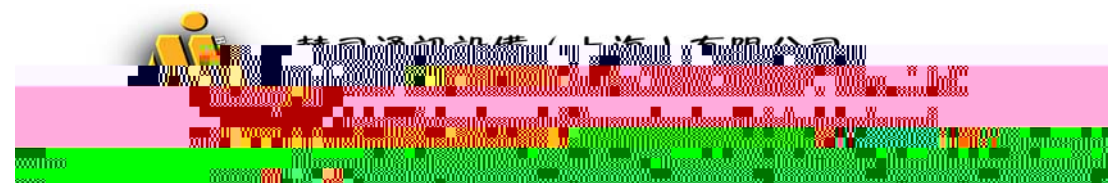


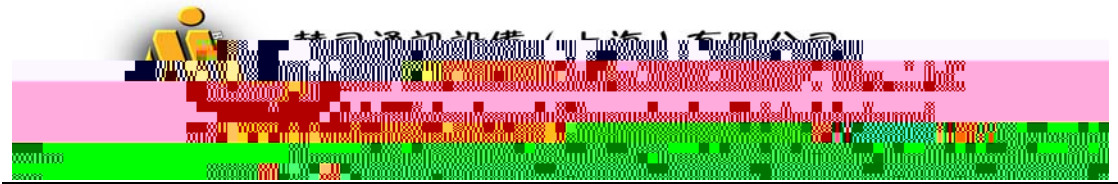
DSPX-AM

www.bwbroadcast.com



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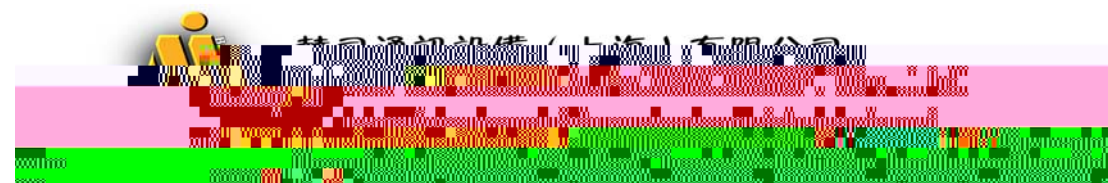
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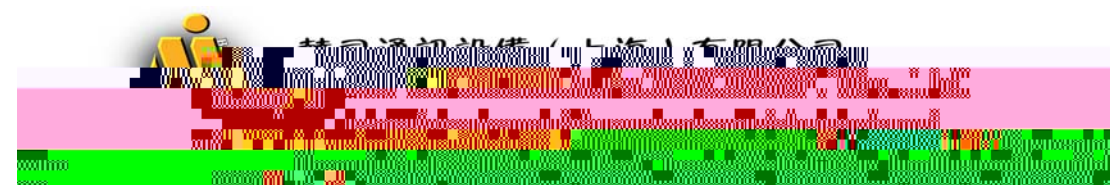
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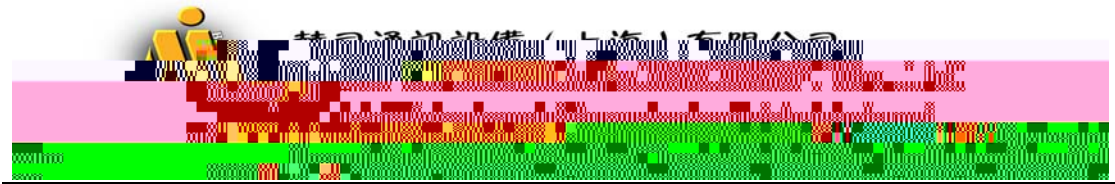
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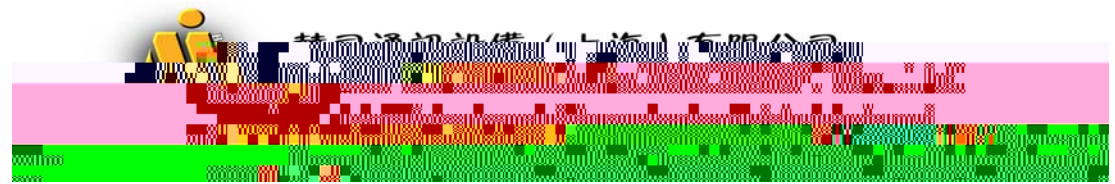
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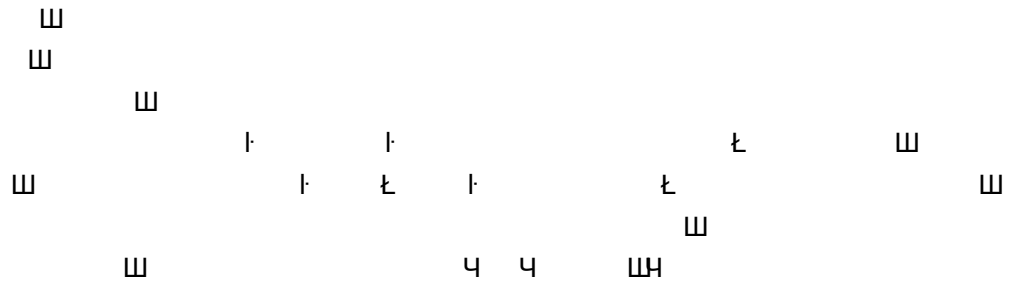
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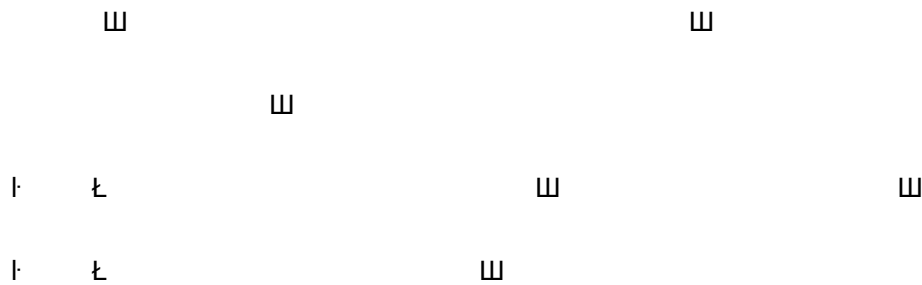
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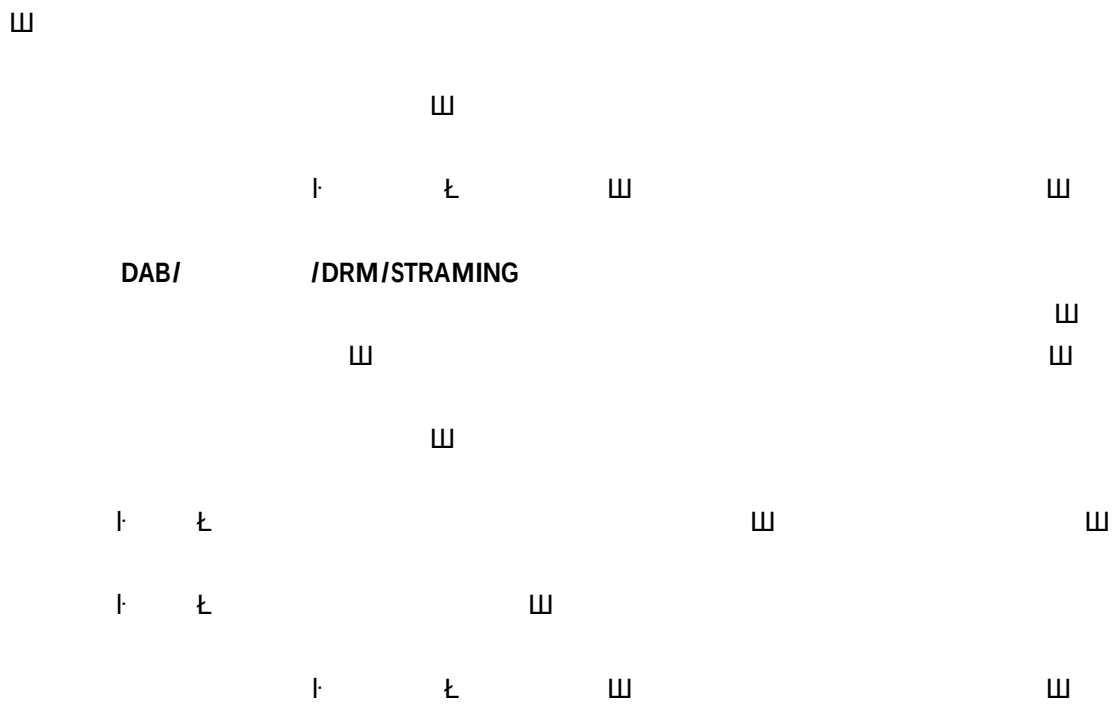
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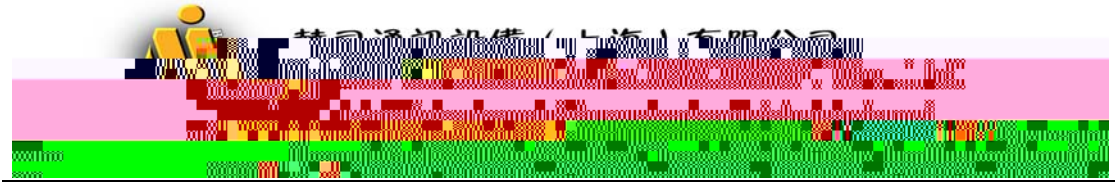


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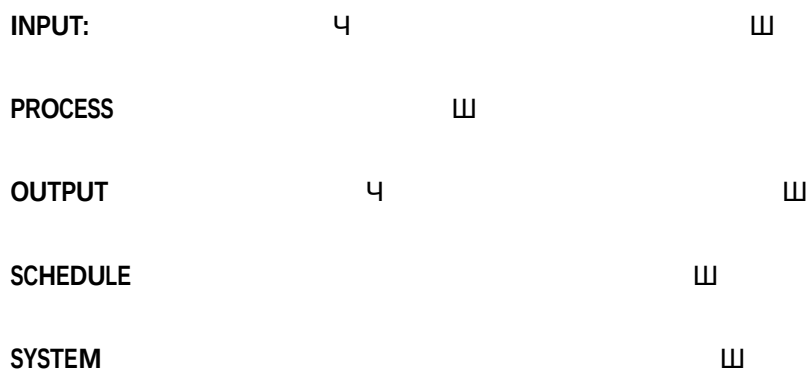
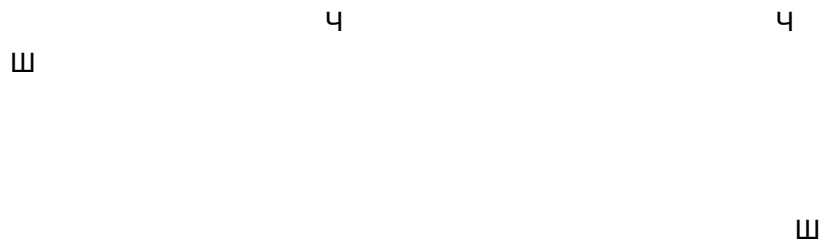


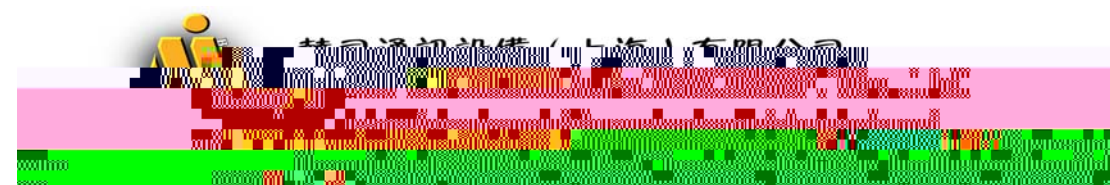
DR DAB/ /DRM/STRAMING

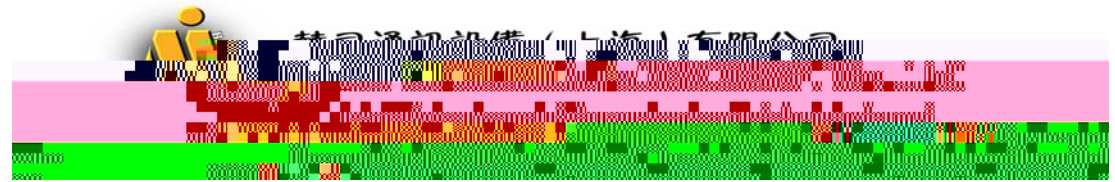




6.







1 4

B1 2
B2 3
B2 3
B3 4
L/R

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4

LAN

IP

DG

SM

MA1(MAC 1)

MA1(MAC 2)

‘INPUT’

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‘SOURCE’

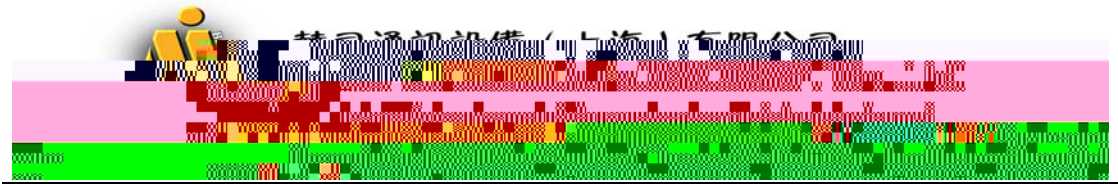
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‘INPUT MODE’

4 4

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'ANALOGUE INPT A/D CLIP LEVEL'

W

'DRIVE'

W

W

'ATTACK'

W

W

W

'DECAY'



W

'RIGHT TRIM'

W

W

W

'GATE THRESHOLD'

W

W

'INPUT FAIL SWITCH'

W

W

W

W

'HIGH PASS FILTER'

W

W

W

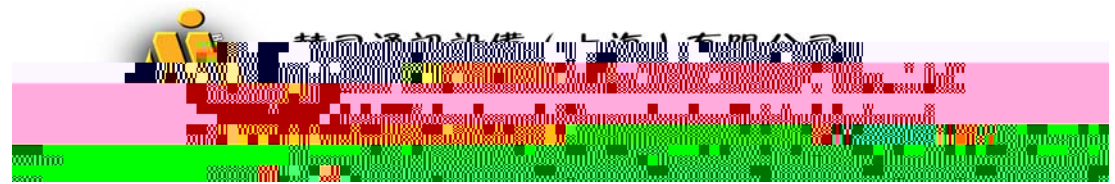
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'PHASE ROTATOR'



'ATTACK'

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'DECAY'

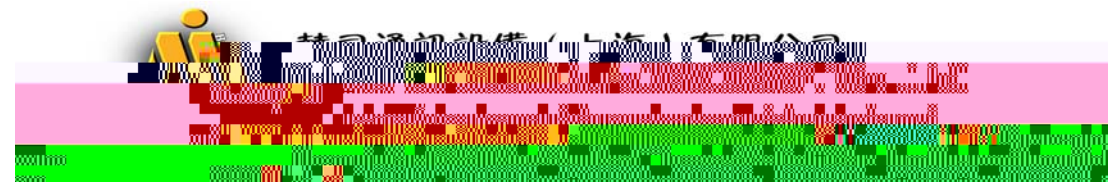
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'GATE THRESHOLD'

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W

'B4<3 COUPLING'

W

W

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'L/R COUPLING'

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W

W

W

'MULTI BAND LIMITERS'

W

'B1 4'

'DRIVE'

W

W

'THRESHOLD'

W

W

W

W

'PEAK ATTACK'

W

W

'PEAK DECAY'

W

W

'AVG ATTACK'

W

W

W

W

'AVG DECAY'

W

W

'HOLD THRESHOLD'

W

W

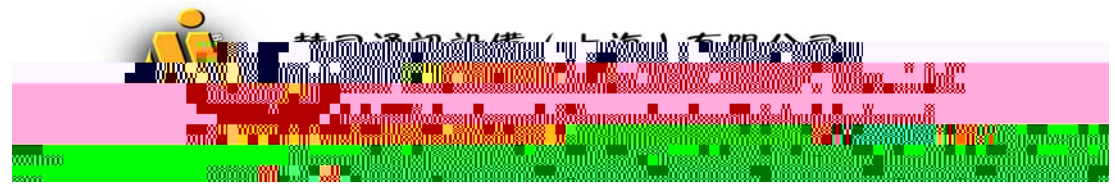
W

'DELAY'

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W

W



'HF CLIPPING (BAND 4)'



'B1<2 COUPLING'



'B2>3 COUPLING'



'B2<3 COUPLING'



'B3>4 COUPLING'



'L/R COUPLING'



100%

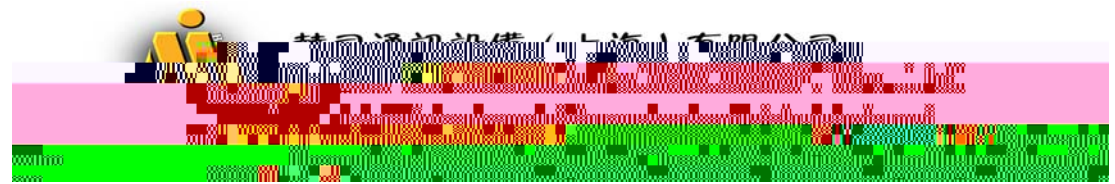


'LIMITERS RATIO'

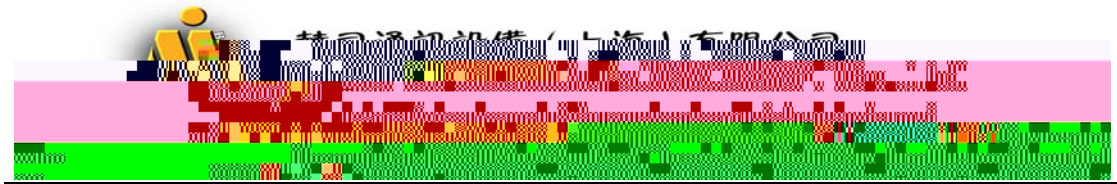


'MIXER'

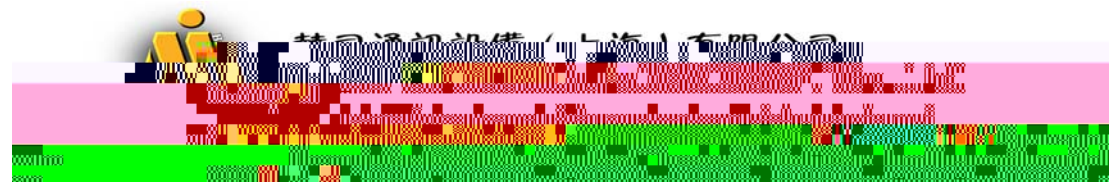




'LOW ATTACK'	⏏		⏏
		⏏	
'LOW DECAY'	⏏		⏏
		⏏	
'MID ATTACK'	⏏		⏏
		⏏	
'MID DECAY'	⏏		⏏
		⏏	
'HIGH ATTACK'	⏏		⏏
		⏏	
'HIGH DECAY'	⏏		⏏
		⏏	
'CLIPPER'		⏏	
'MULTI BAND CLIP DRIVE'		⏏	
'BASS CLIP LEVEL'		⏏	
⏏			
'BASS CLIP MODE'	⏏	⏏	
	⏏		⏏
		⏏	
		⏏	5
⏏			
'MID CLIP LEVEL'		⏏	
⏏			
'HF CLIP LEVEL'		⏏	
⏏			
'HF CLIPPING'			⏏
	⏏		
⏏			



'MAIN



‘HEADPHONE LEVEL’

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‘TONE GENERATOR’

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‘OSCILLATOR’

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‘FREQUENCY’

W

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W

‘AMPLITUDE’

W

W

W

‘ANALOGUE OUTPUT LEVEL’

W

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W

‘DIGITAL’

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‘MODE’

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‘DIGITAL OUTPUT LEVEL’

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W

‘SAMPLE RATE’

W

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4

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‘SCHEDULE’

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‘TIME’

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‘DAYPARTING ON/OFF’

W

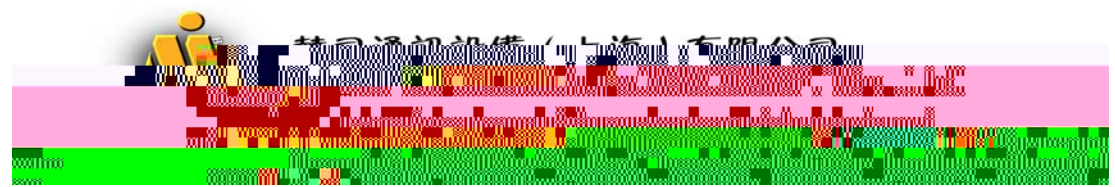
‘DP(X) ON/OFF’

W

‘DP(X)’

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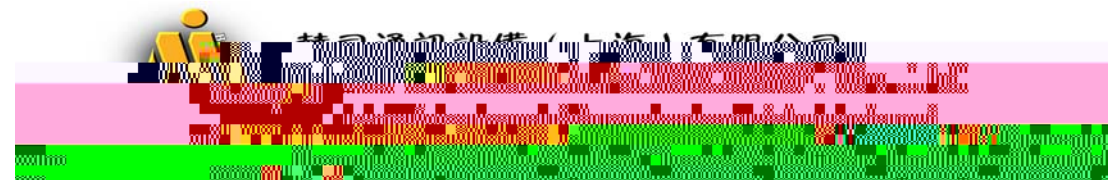
‘DP(X) START’



'LED CONTRAST'	⏏	4	4	⏏	
'TRIGGER PORT'				⏏	⏏
	⏏				
'CODE LOCK'		⏏		⏏	
⏏					
'REMOTE SOURCE'				⏏	⏏
'LAN CONFIG'			⏏		
'IP'		⏏			
'DG'		⏏			
'SM'		⏏			
'MA1'		⏏			
'MA2'		⏏			
'PORT'		⏏			
'ABOUT'		⏏			
'BOOTLOAD'				⏏	
	⏏				

DSPX

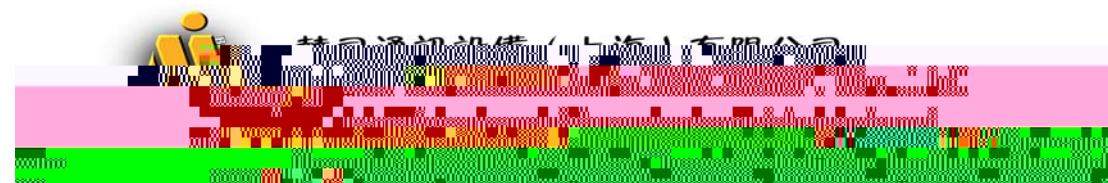
	⏏			⏏
		⏏		
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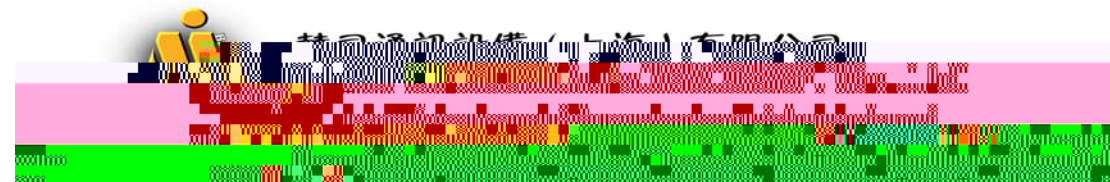
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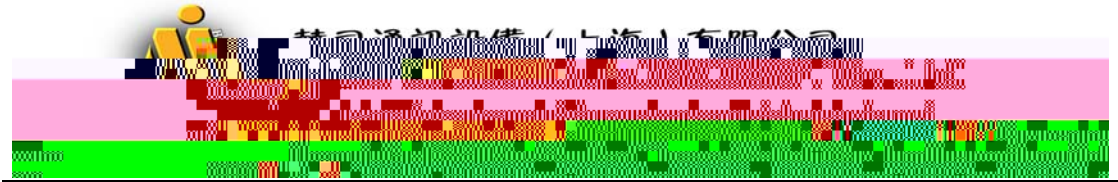
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P33

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Hold

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IM

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-20dB

-40dB

OFF

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-32dB

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P33

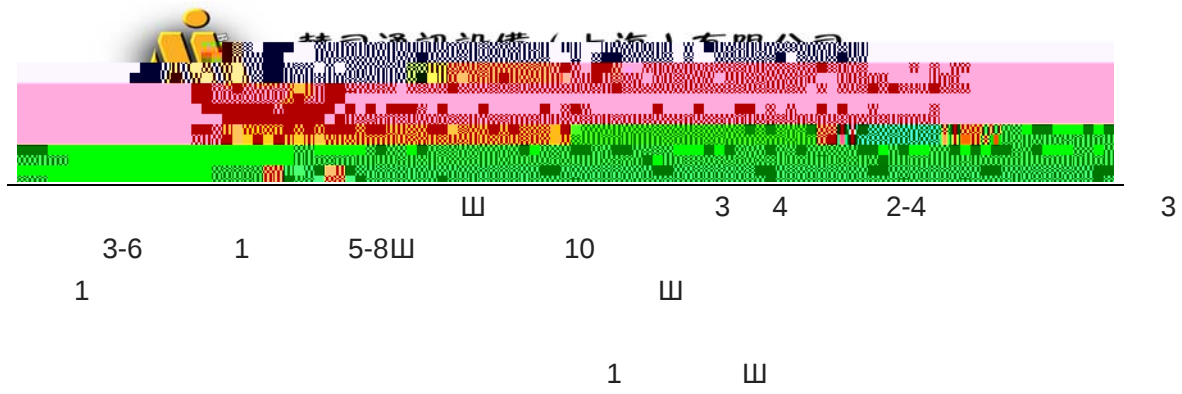
Delay

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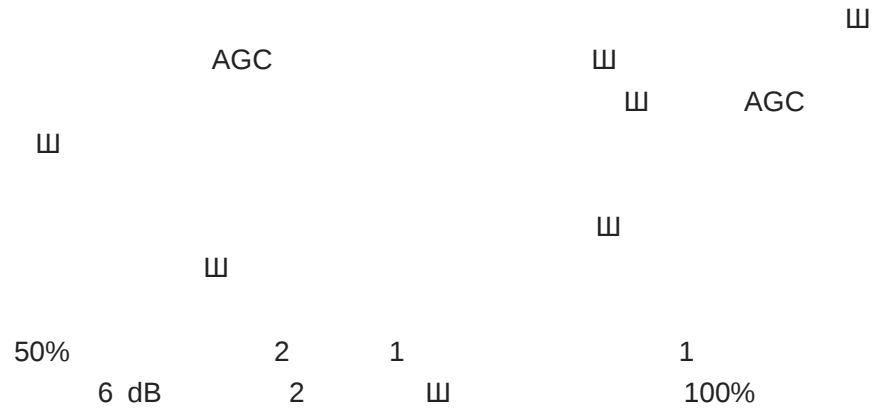
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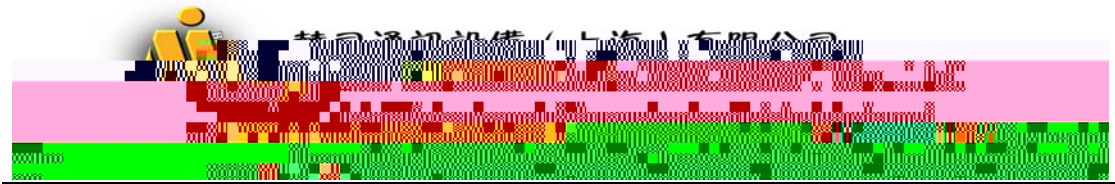
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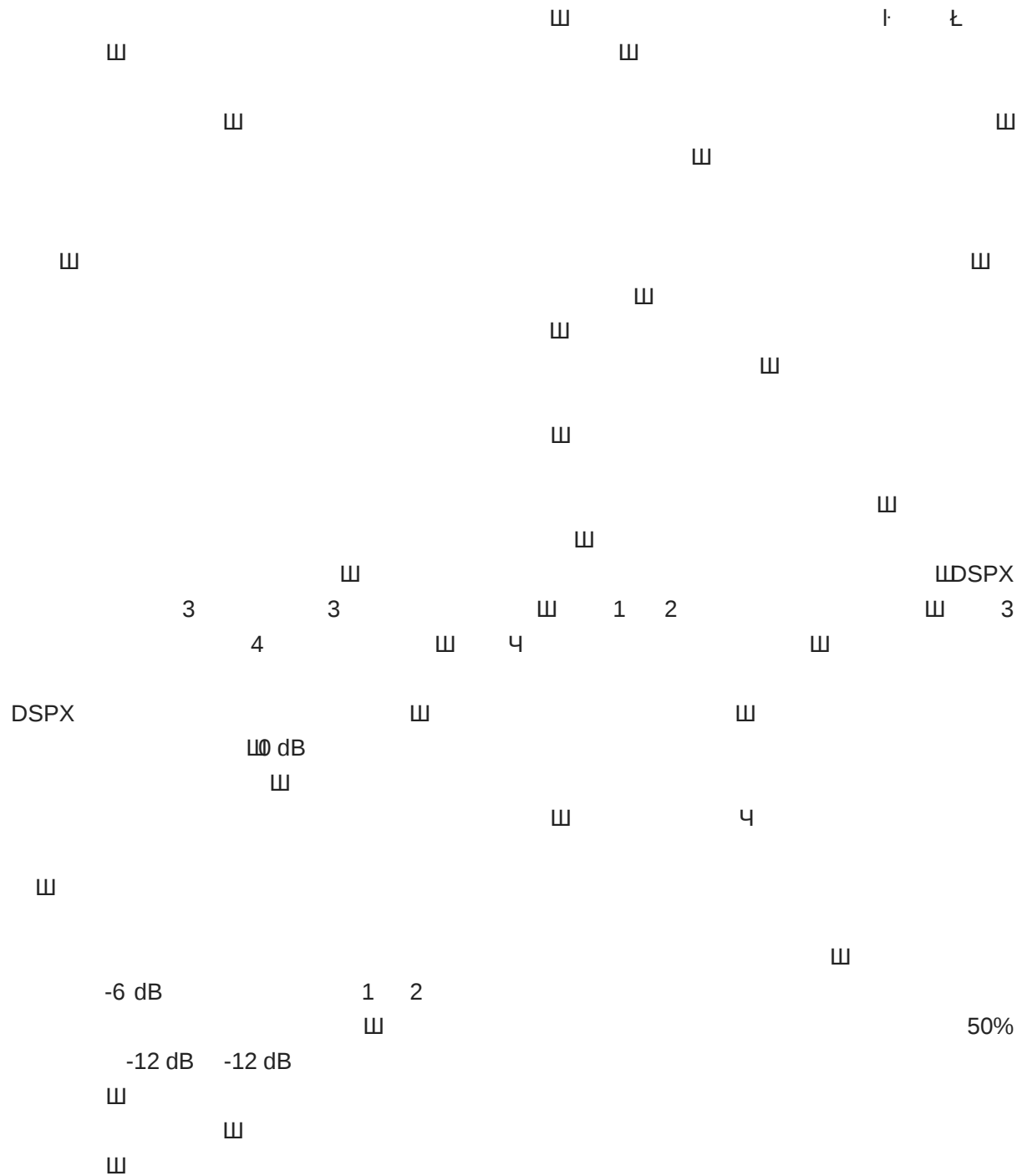
Band-couplings

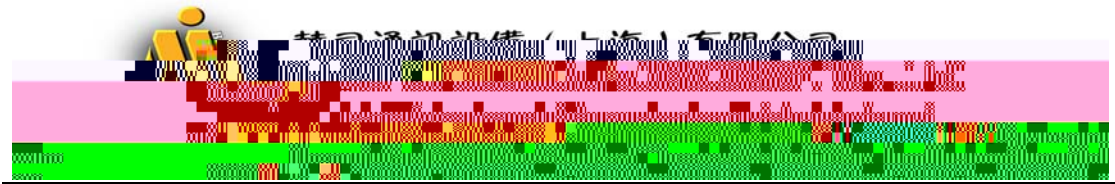
DSPX





The multi-band clipper





IM

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IM

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W

DSPX

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"SOFT"

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W

W

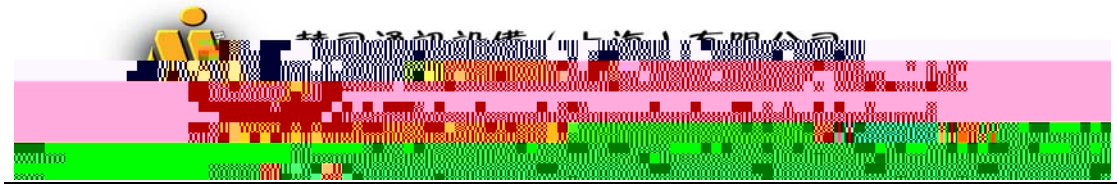
DSPX

W

W

100%

W



IMD

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W

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W

W

W

Lookahead limiter

DSPX

DR

W

W DSPX

3

W

3

W

DSPX

W

W

1

1

W

W

+/- 6 dB

W

0 dB

IM

W

W

W

4

W

10 4

1 W

W

IM

W

W

W

W

W DSPX

W

DR

W

W

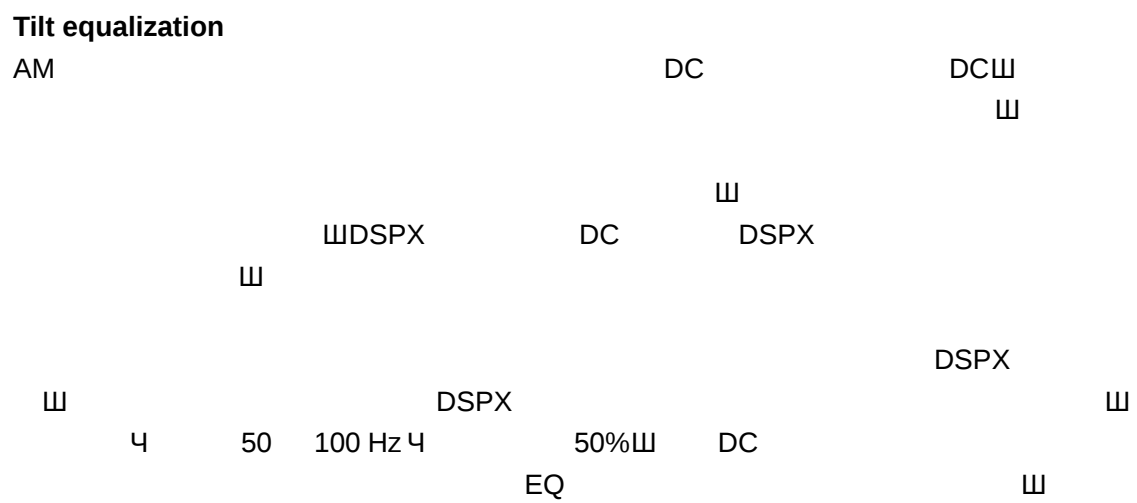
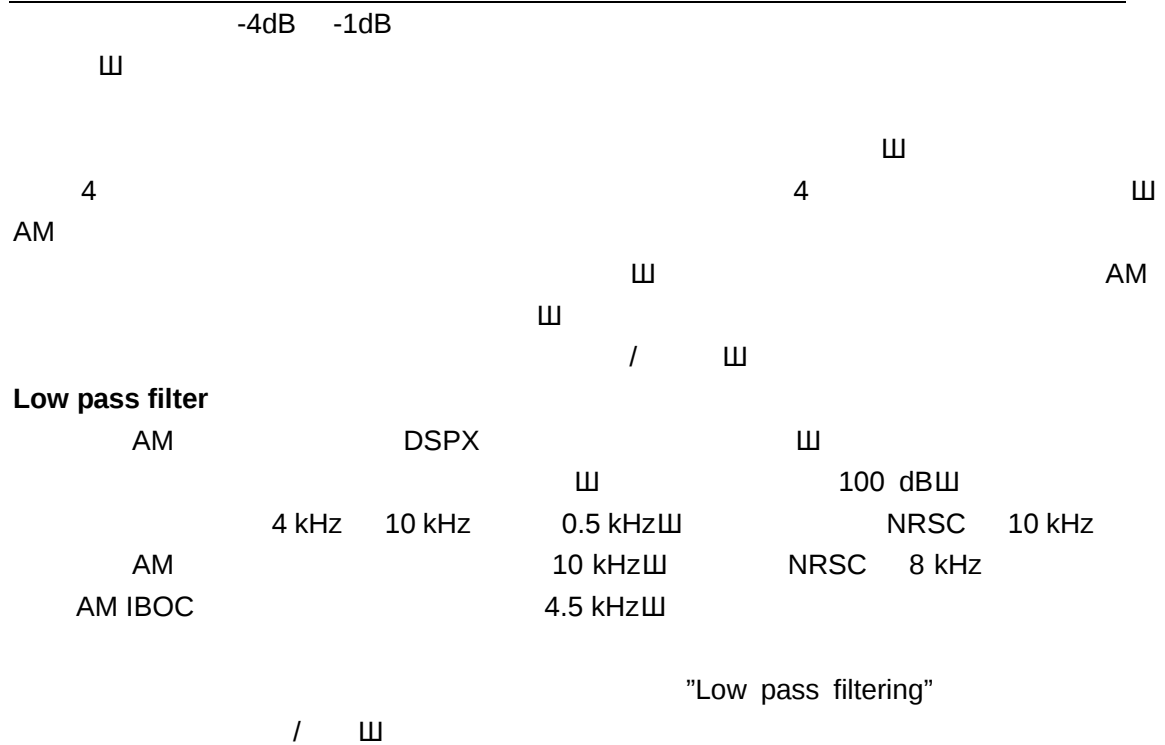
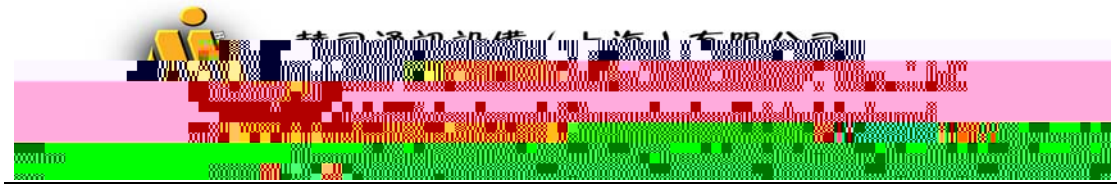
W

DR

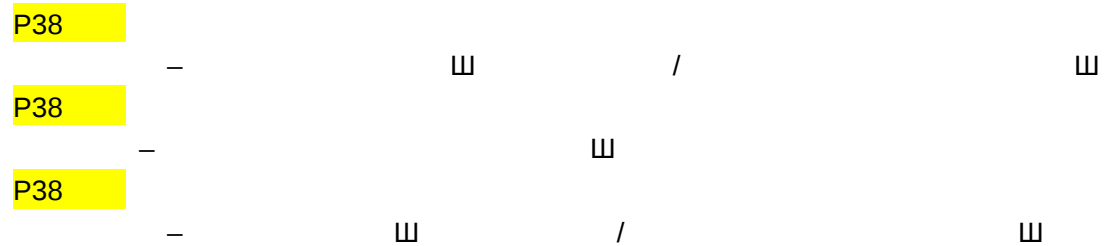
W

0 -17 dB

W



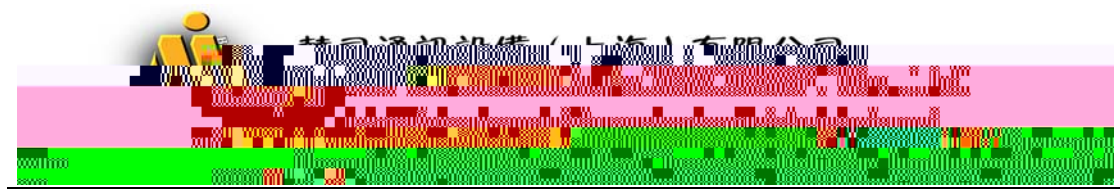
Tilt correction:



Asymmetry

(USA)

DSPX



100%

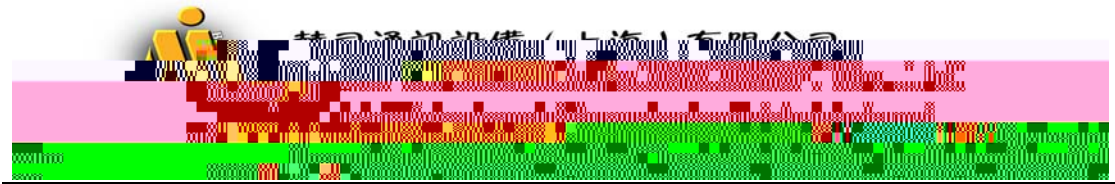
100%

DC

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150%山

DC



W

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Final clippers: (AM USE)

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4 4

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Look-ahead limiter: (DR USE)

W

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W

More BASS

W

EQ:

W

W

W

Multi-band AGC:

1 AGC

W

1 AGC

W

1 AGC

W

1

W

1

W

1

1

1 AGC

1

AGC W

B1<2

1

2

W

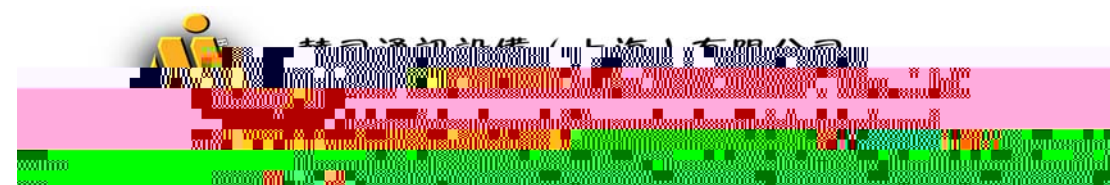
Multi-band Limiters:

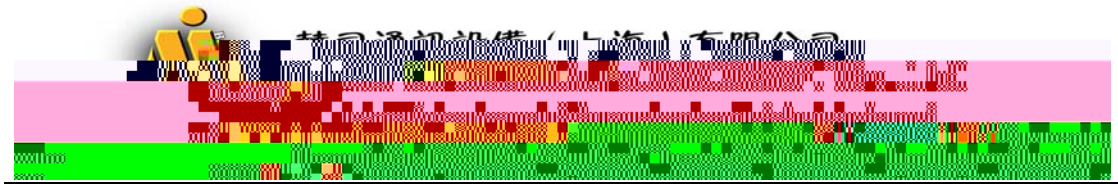
1

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'A'

W

'UP'

'LOAD'

W

W

W

W

W

Saving a preset

P43 2

'SAVE' W

'GO' W

W'INSERT' 'DELETE'

W

'DONE'

W

3

'SAVE'

'GO'

'DONE'

W

Exporting a preset to a PC

W

Importing a preset from a PC

W

FACTORY PRESETS

DSPX

W

W

BW

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W

1.00

W

AM PRESETS

AM

W

F1 BYPASS

AGC

W

DSPX

W

F2 GENERAL

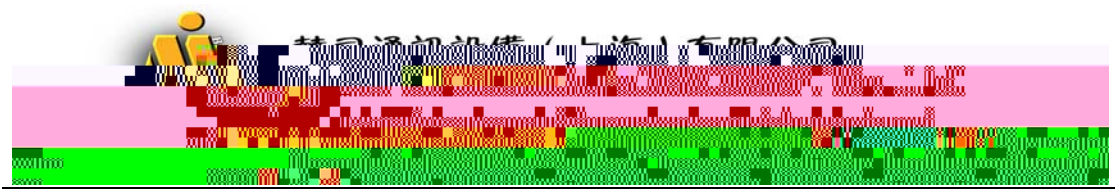
W

F3 GENERAL HEAVY

4

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F4 TALK



F5 TALK HEAVY



F6 MUSIC OPEN



F7 MUSIC MEDIUM



F8 MUSIC HEAVY



F9 NEWS



AGC



F10 SPORTS



F11 CLASSICAL-JAZZ



F12 LOUD



HD RADIO PRESETS

(HD /DRM)



F13 HD RADIO BASS



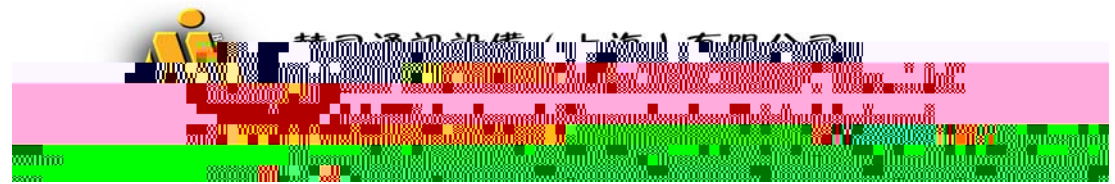
F14 HD RADIO GENERAL



F15 HD RADIO NATURAL



DSPX



LCD DSPX USB /LAN Ⅲ
 DSPX windows PC Ⅲ
www.bwbroadcast.com Ⅲ
 DSPX USB USB/ Ⅲ USB DSPX Ⅲ
 Ⅲ DSPX USB
 (VCP) USB
 USB DSPXⅢVCP
 AⅢ
 lan DSPX USB
 Ⅲ ⅢDSPX
 USB Ⅲ Ⅲ Ⅲ

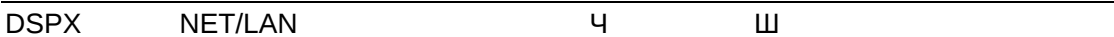
P45

DSPX (RS232/USB) /LAN
 DSPX
 Ⅲ
 IP DSPX
 DSPX ⅢBW 1203Ⅲ
 Ⅲ Ⅲ

P46

CONTROL OF THE DSPX BY RS232 or USB (SERIAL) RS232 USB() DSPX
 RS232 USB DSPX
 1. RS232 USB
 2. Ⅲ Ⅲ
 3. DSPX Ⅲ
 COM USB Ⅲ
 4. DSPX Ⅲ DSPX
 Ⅲ
 5. 'please wait' DSPX Ⅲ
 DSPX Ⅲ
 DSPX ⅢDSPX 3779Ⅲ
 DSPX ()

NET/LAN PORT



NET/LAN

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W

NET/LAN DSPX

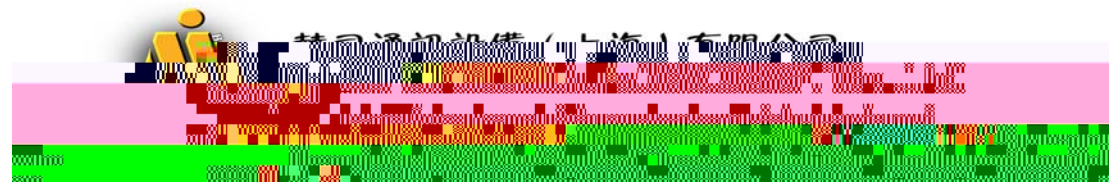
DSPX

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DSPX

RJ45

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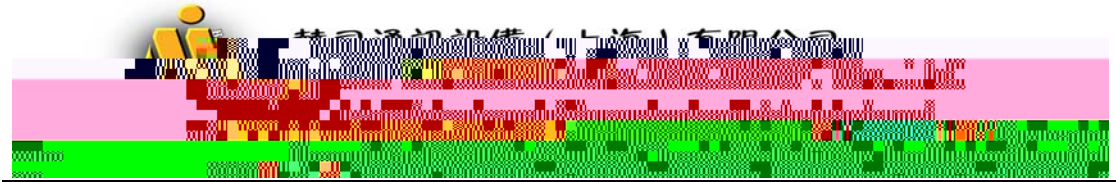
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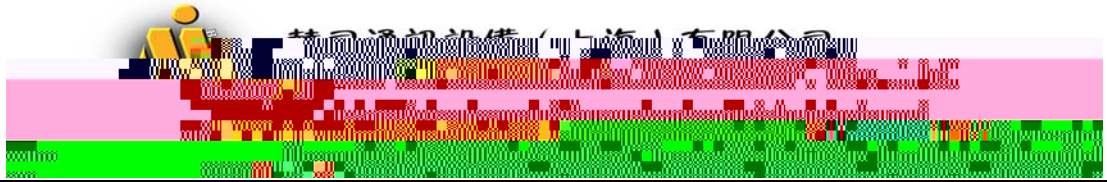
W

W

DPO: F2:CHR ALL 07:00 03:00

DP1: U4:NEW PRESET - ALL 10:00 - 02:00

DP3: F2:CHR ALL 12:00 05:00



DPO: F2:CHR ALL 07:00 10:00

DP1: U4:NEW PRESET – ALL 10:00 – 02:00

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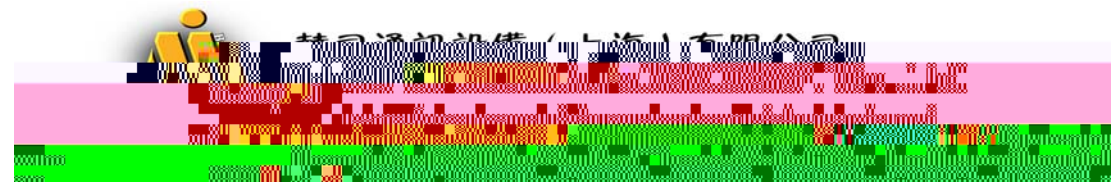
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