



# MFX-128

ORDERCODE D2030



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You have bought a great, innovative product from DAP Audio.

The DAP Audio MFX-128 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated show, this product provides the effect you need.

You can rely on DAP Audio, for more excellent audio products.

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Always get the best -- with DAP Audio !

Thank you!



# DAP Audio

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## DAP Audio MFX-128 Product Guide

<b>Warning</b> .....	2
Safety-instructions.....	2
Operating Determinations.....	3
<b>Description</b> .....	4
Features.....	4
Overview Front side.....	4
Overview Back side.....	5
<b>Installation</b> .....	5
<b>Set Up and Operation</b> .....	5
1. Enter Password.....	6
2. System Setup.....	6
3. Noise Gate Setup.....	8
4. Compressor.....	8
5. Effect Setup.....	9
6. EQ.....	9
7. PC Communication Setup.....	10
<b>Menu Settings</b> .....	11
<b>Software MFX-128</b> .....	12
<b>Appendix 1</b> .....	15
<b>Appendix 2</b> .....	16
<b>Appendix 3</b> .....	17
<b>Connection Cables</b> .....	18
<b>Maintenance</b> .....	19
Replacing the Fuse.....	19
<b>Troubleshooting</b> .....	19
<b>Product Specifications</b> .....	20

## WARNING



### CAUTION!

Keep this system away from rain and moisture!



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY  
BEFORE YOUR INITIAL START-UP!**

## SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this system has to:

- be qualified
- follow the instructions of this manual



**CAUTION! Be careful with your operations.  
With a dangerous voltage you can suffer  
a dangerous electric shock when touching the wires!**



Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the system.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the system are not subject to warranty.

This system contains no user-serviceable parts. Refer servicing to qualified technicians only.

### **IMPORTANT:**

*The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the system.*

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Do not insert objects into air vents.
- Do not connect this system to a dimmerpack.
- Do not switch the system on and off in short intervals, as this would reduce the system's life.
- Do not open this device. Risk: hazardous radiation exposure.
- Do not run the output of any amplifier channel, back into another channel's input.
- Do not connect (parallel or series) an amplifier output with any other amplifier output.
- Only use system indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when system is not used. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure you don't use the wrong kind of cables or defective cables.
- Make sure that the signals into the mixer are balanced, otherwise hum could be created.
- Make sure you use DI boxes to balance unbalanced signals; All incoming signals should be clear.
- Make sure that the available voltage is not higher than stated on the rear panel.

- Make sure that the power-cord is never crimped or damaged. Check the system and the power-cord from time to time.
- Always operate the unit with the AC ground wire connected to the electrical system ground.
- Connecting amplifier outputs to oscilloscopes or other test equipment, while the amplifier is in bridged mode, may damage both the amplifier and test equipment.
- Do not drive the inputs with a signal level bigger, than required to drive the equipment to full output.
- In system setup, the amplifier's output power must be 50%-100% more than the loaded loudspeakers rated power.
- Please turn off the power switch, when changing the power cord or signal cable, or select the input mode switch.
- In typical use, Please set the volume to 0dB position.
- Sometimes, when you want to send one signal to more than one amplifier, you should use a signal distributor.
- Extreme frequency boosts in connection with a high input signal level may lead to overdriving your equipment. Should this occur, it is necessary to reduce the input signal level by using the INPUT control.
- To emphasize a frequency range, you don't necessarily have to move its respective sliding control upward; try lowering surrounding frequency ranges instead. This way, you avoid causing the next piece of equipment in your sound path to overdrive. You also preserve valuable dynamic reserve ("headroom")
- For replacement use fuses of same type and rating only.
- Prevent distortion! Make sure that all components connected to the MFX-128 have sufficient power ratings. Otherwise distortion will be generated because the components are operated at their limits.
- Avoid ground loops! Always be sure to connect the power amps and the mixing console to the same electrical circuit to ensure the same phase!
- If system is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the system has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your system. Leave the system switched off until it has reached room temperature.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

## **OPERATING DETERMINATIONS**

If this system is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, etc.

You endanger your own safety and the safety of others!

*Improper installation can cause serious damage to people and property !*

## Description of the device

### Features

The MFX-128 is a professional device:

- Stereo DSP Processor 24-bit Sigma-Delta AD/DA Converter 48 kHz Sampling rate
- Graphic Equalizer Stereo 2x15 Bands, Mono 1x31 Bands
- Compressor / Limiter
- Noise gate
- Multi effects: Distortion / Filter, Pitch Shift, Chorus / Flanging / Short Delay, Reverb/ Echo / Gate, many effect combinations
- 128 pre-programmed effects
- All parameters adjustable
- 10 user-defined store places
- S/P DIF Coax (RCA) Input and Output
- MIDI IN-OUT-THRU Interface
- Big LCD Display: 2x 16 characters

### Overview



Fig. 1

- 1) SETUP: Select SYSTEM SETUP, NOISE GATE SETUP and Interface Setup (RS232, MIDI).
- 2) MENU
- 3) EDIT A/EFFECT: Jog-wheel, for adjusting the parameters. Turning the jog-wheel to the right increases the parameter value, turning to the left decreases the value.
- 4) QUIT: Press this button to quit the current interface.
- 5) COMP/LIMITER: Select all the parameters of the compressor.
- 6) EDIT B/EQ: Jog-wheel, for adjusting the parameters. Turning the jog-wheel to the right increases the parameter value, turning to the left decreases the value.
- 7) FREQ/GAIN (◀): Select the EQ parameters (move the cursor to the left).
- 8) CH-SEL (▶): Select the channel (move the cursor to the right).
- 9) Power ON/OFF
- 10) ENTER/RECALL: Confirm/recall the EQ program.
- 11) SAVE: Save the edited EQ program.



Fig. 2

**MFX-128 DESCRIPTION REAR PANEL:**

- 12) IEC Connector + Fuse
- 13) AC Voltage Selector 115V/230V
- 14) Midi Out
- 15) Midi Thru
- 16) Midi In
- 17) SPDIF IN
- 18) SPDIF OUT
- 19) XLR Output 2
- 20) TRS Output 2
- 21) Input Level -20dB / + 4dB
- 22) TRS Input 2
- 23) XLR Input 2
- 24) TRS Output 1
- 25) XLR Output 1
- 26) Input Level -20dB / + 4dB
- 27) TRS Input 1
- 28) XLR Input 1

**Installation**

Remove all packing materials from the MFX-128. Check that all foam and plastic padding is removed. Screw the equipment into a 19" rack. Connect all cables.

**Always disconnect from electric mains power supply before cleaning or servicing.**  
**Damages caused by non-observance are not subject to warranty.**

**Set Up and Operation**

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 240V power, or vice versa. Install this device on a flat surface, not bending or curved. Do not supply power before all components of the system are set up and connected properly.

## ENTER PASSWORD

The unit has an engineering password to avoid error operation. If you forget the password, please contact your supplier. The original password is [2003].

Only 128 effects can be selected unless the password is entered when using the unit. Power on the unit, press any button, except the QUIT-button, the LCD display shows:

A blue rectangular box representing the LCD display. The text 'ENTER PASSWORD' is at the top, and '[0000]' is centered below it.

Press ◀ (7) to move the cursor on the screen to the left and press ▶ (8) to move the cursor to the right. Turn jog-wheel EDIT B (6) to edit the figure from 0 to 9.

Press ENTER/RECALL (10) to confirm the password. If the password is correct, the screen shows:

A blue rectangular box representing the LCD display. The text 'PASSWORD OK!' is centered.

And then the system can be adjusted.

If the password is wrong, the screen shows:

A blue rectangular box representing the LCD display. The text 'BAD PASSWORD !!!' is centered.

Then press any other button to return to enter the password again.

## SYSTEM SETUP

Press SETUP (1) to start system setup, the LCD Display shows:

A blue rectangular box representing the LCD display. The text '\* SYSTEM SETUP' is centered.

If you press the MENU-button (2), it allows you to select the following menu:

A blue rectangular box representing the LCD display. The text '\* SYSTEM SETUP' is at the top, and '0 Ef Kind: 1-Rev/Gt' is centered below it.

In System Setup you can select following submenu's by pressing the Menu button. (also see page 11 for detailed information)

0 Ef Kind: 1-Rev/Gt (Effect select)

1 In/Out: 1-A to A (Input/output setup)

2 Work Md: 1-Mono (Mono or Stereo work mode set)

3 Effect Sw: ON (Effect enable or disable set)

4 Compress Sw: ON (Compress enable or disable set)

5 Ns-gate Sw: ON (Noise gate enable or disable set)

6 EQ Sw: ON (Equalizer enable or disable set)

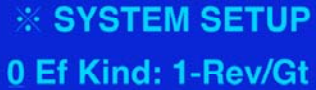
7 Reset Effect (Reset present effect to default)

8 Reset System (Reset system to default)

9 Modify Password (Set new password)



When in 0 Ef Kind ....., turn jog-wheel EDIT A (3) to select the desired effect, as shown below:



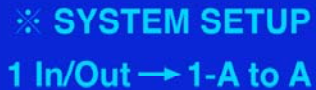
※ SYSTEM SETUP  
0 Ef Kind: 1-Rev/Gt

Effect type:

- 1 Rev/Gt (Reverb/Gate)
- 2 Ech/DI (Echo/Delay)
- 3 Chorus
- 4 Flang
- 5 Distort ( Distortion)
- 6 Pitch (Pitch Shift)
- 7 Chor + (Chorus+Other)
- 8 Flang + (Flang+Other)
- 9 Pitch + (Pitch+Other)
- 10 Dist + (Distortion+Other)
- 11 Delay + (Delay+Other)

Detailed classification refers to attached effect list (Appendix 3 page 17).

When in 1 IN/OUT....., turn jog-wheel EDIT A (3) to select the desired work mode, as shown below:



※ SYSTEM SETUP  
1 In/Out → 1-A to A

There are 4 options:

- 1) A to A: Analog In — Analog Out
- 2) A to D: Analog In — S/PDIF (Digital out)
- 3) D to A: S/PDIF In — Analog Out
- 4) D to D: S/PDIF In — S/PDIF Out

When in 2 WorkMd....., turn jog-wheel EDIT A (3) to select the MONO or STEREO, as shown below:



※ SYSTEM SETUP  
2 Work Md: 1-Mono

When in 3.....4....., 5....., 6.....(Effect Sw, Compress Sw, Ns-gate Sw, EQ Sw), turn jog-wheel EDIT A (3) clockwise to select ON and anti-clockwise to select OFF.

When in 7.... (Reset Effect), turn jog-wheel EDIT A (3) to reset the current setting to the default setting. The screen shows:



※ SHORT ROOM A  
RESET EFFECT OK!

When in 8 (Reset System ), turn EDIT A (3) to reset all parameters to the default setting. The screen shows:



\* RESET SYSTEM \*  
PLEASE WAIT.....



\* RESET SYSTEM \*  
LOAD OK !!!

When in 9 (Modify Password), turning jog-wheel EDIT A (3) allows to modify the system password. The screen shows:

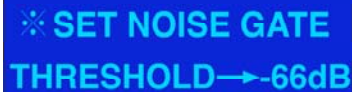


\* Change Password \*  
[0000]

Note: When the unit is powered on, the password can be changed at any time after accessing the password system. Once the unit is turned off, the correct password is needed before changing the system setting.

### NOISE GATE SETUP

Set the noise gate ON at first. Press the SETUP-button (1) until the screen shows:



\* SET NOISE GATE \*  
THRESHOLD -> -66dB

Then press the MENU-button (2) and turn the EDIT A jog-wheel (3) to adjust the threshold from -66dB to -24dB.

### COMPRESSOR SETUP

Set the compressor ON at first. Press the COMP/LIMITER-button, the screen shows:



\* SET COMP / LIMIT \*  
LR

The bottom-left corner of screen shows the current channel.

Then press the MENU-button (2), in order to select all parameters of the compressor and turn jog-wheel EDIT A (3) to adjust the value of each corresponding parameter.

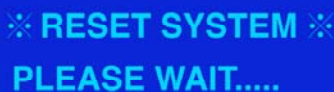
1 Thre: -4 dB threshold. Adjustment range: -48dB - 0dB,  $\pm 1.5$ dB in step.

2 Ratio: 1/1 compression ratio. Adjustment range: 1/1 - LIMIT.

3 Attack: 1.3ms attack time. Adjustment range: 1.3ms - 500ms

4 Release: 1.3 ms release time. Adjustment range: 1.3ms - 500ms

5 Boost: x1 boost gain. Adjustment range: x1 - x8



\* RESET SYSTEM \*  
PLEASE WAIT.....

## EFFECT SETUP

### Select the effect in order

When you are in any menu or submenu, press the QUIT-button (4) simply to enter the EFFECT menu as shown:



→01 Short ROOM A  
LR

Then turn jog-wheel EDIT A (3) to select 128 effects (Appendix 3 page 17).

Press the MENU-button (2) to check all the parameters of the relative effect and turn jog-wheel EDIT A (3) to adjust the value as shown:



\*01 Short ROOM A  
LR1RLPF → 20 KHz

### Select the effect in shortcut

Press the SETUP-button (1) and then the MENU-button (2) to scroll to the submenu of 0 Ef Kind: 1 Rev/Gt, turn jog-wheel EDIT A (3) to select any of the 11 effects.

Finally, press the QUIT-button (4) to access the desired effect quickly and turn jog-wheel EDIT A (3) to adjust the settings.

Follow the specific steps as stated below:

Press SETUP (1) → Press MENU (2) (Access effect menu) → Turn EDIT A (Select effect) (3) → Press QUIT (4) (Return effect menu) → Turn EDIT A (3) (Select effect)

## EQ SETUP

First set the EQ SWITCH On by turning jog-wheel EDIT A (3) to select ON.

Press ENTER/RECALL (10) for 2 seconds to enter the interface of EQ as shown:



\*LOAD EQ MODE

Then turn jog-wheel EDIT B (6) to select any of the 10 preset EQ modes. The second line of the LCD shows the information.

Press ENTER/RECALL (10) to enter the selected preset EQ mode. The first line of the LCD shows the information.

Press the FREQ/GAIN-button (7) to enter the submenu of frequency and gain. Turn jog-wheel EDIT B (6) to adjust the parameters. On the left of the second line, the LCD shows:

Channel, center frequency of EQ and the EQ Gain:



\*01 FLAT  
L 3.15 KHz + 12 dB

Save EQ

Press the SAVE-button (11) to edit the name of the EQ program:



\*Set MEMORY Name  
01

Press ◀ (7) or ▶ (8) to move the cursor and then turn jog-wheel EDIT B (6) to edit the characters.  
Press ENTER/RECALL (10) to save the program. The screen shows SAVE OK!

## PC COMMUNICATION SETUP

Press SETUP (1), the screen shows:



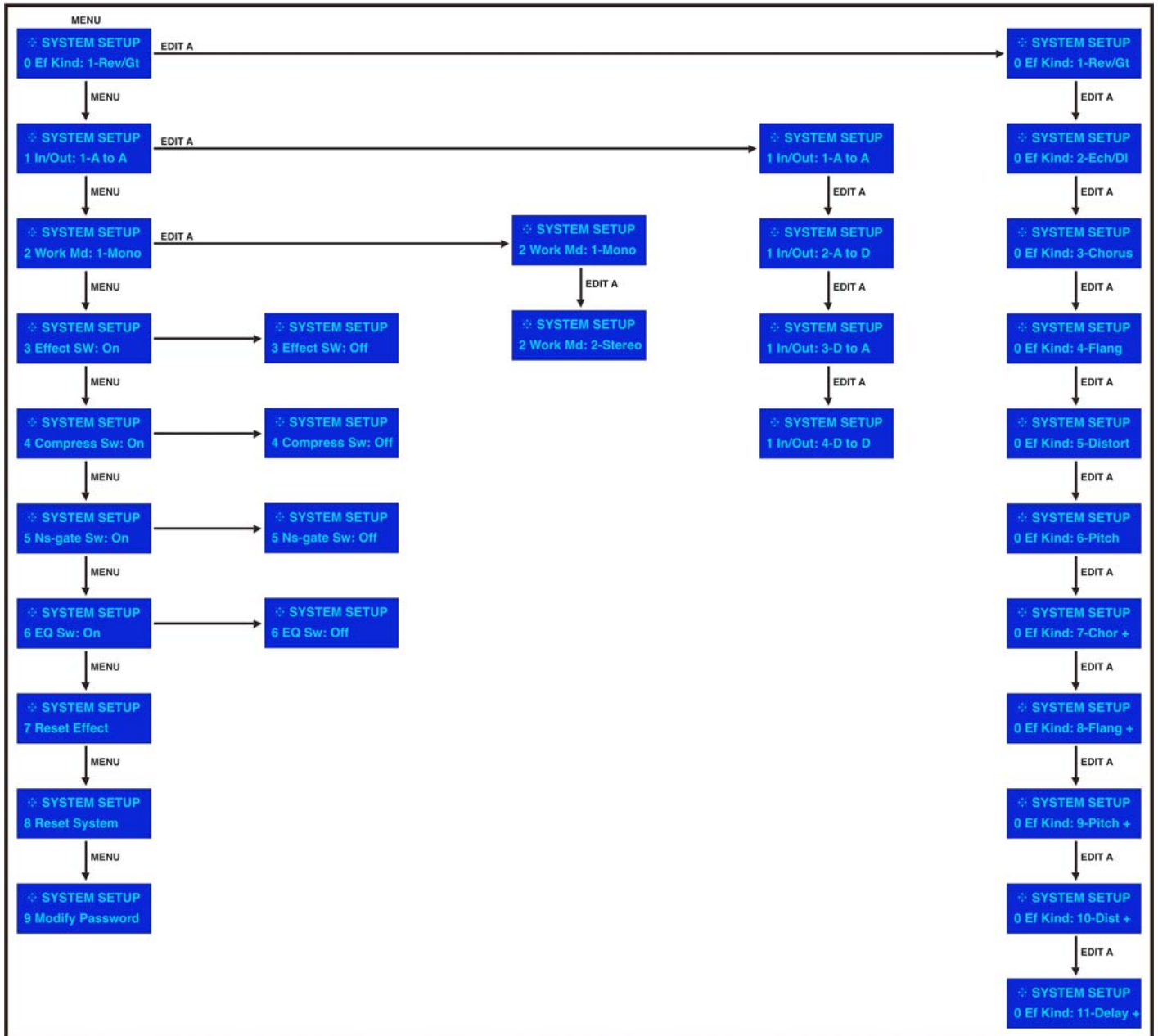
INTERFACE SETUP  
1 Rs232 SW: ON

Press MENU (2) to select the different PC communications as follows:

1RS232SW:	ON
2MIDISW:	OFF

**Note:** You can **not** copy/upload your settings from the MFX-128 to your PC.  
You can **only** copy/upload your settings from the PC to your MFX-128

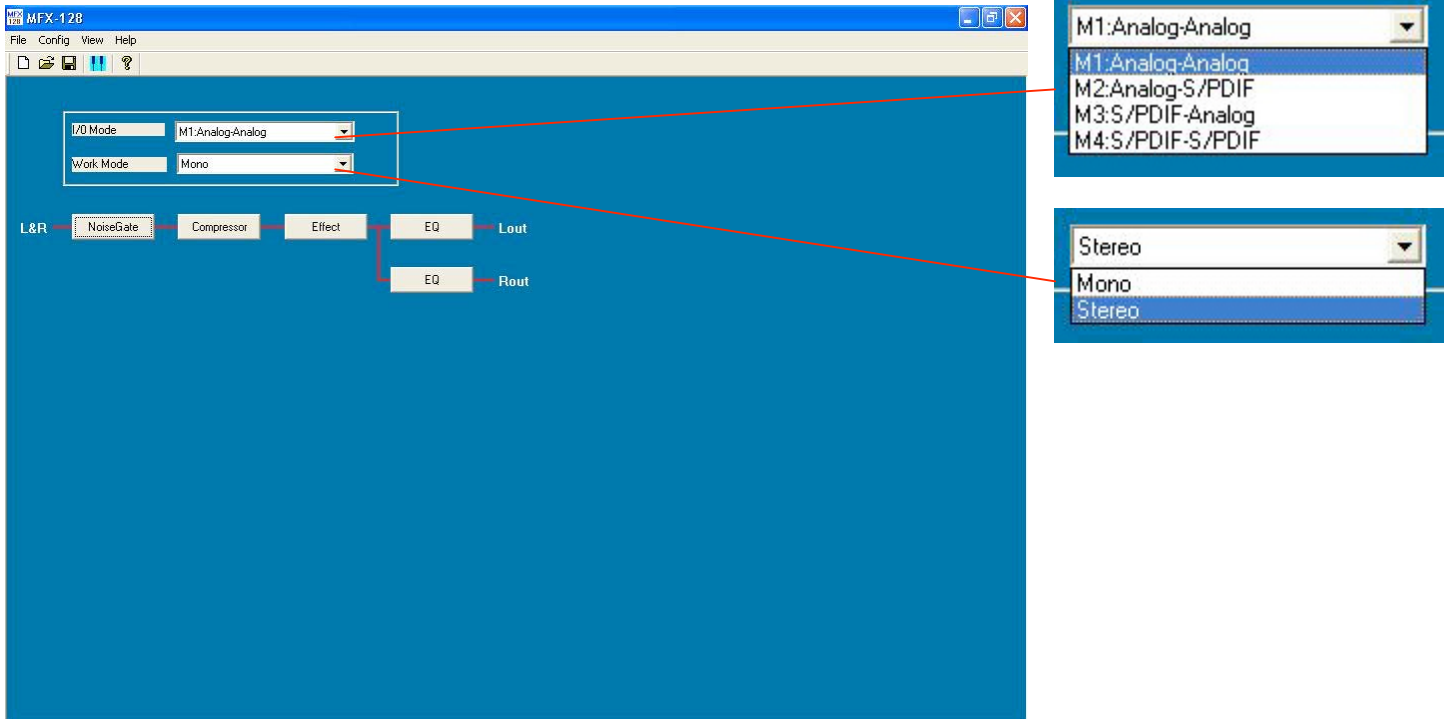
# Menu Settings



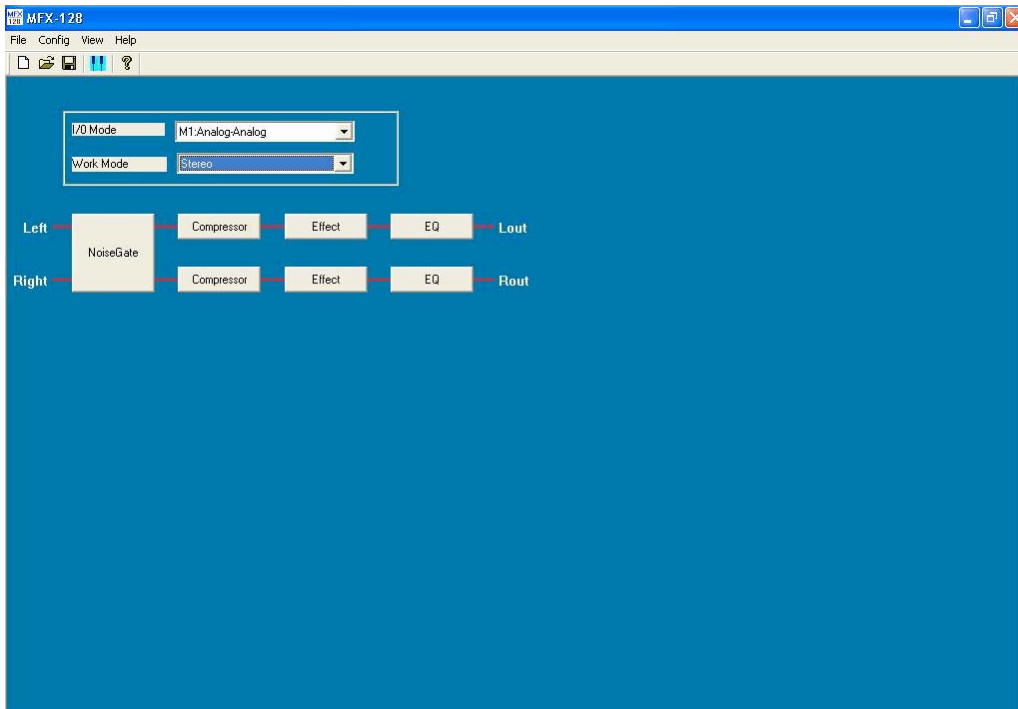
You can return to the system setup menu at any time by pressing the Menu-button (2).

# Software MFX-128

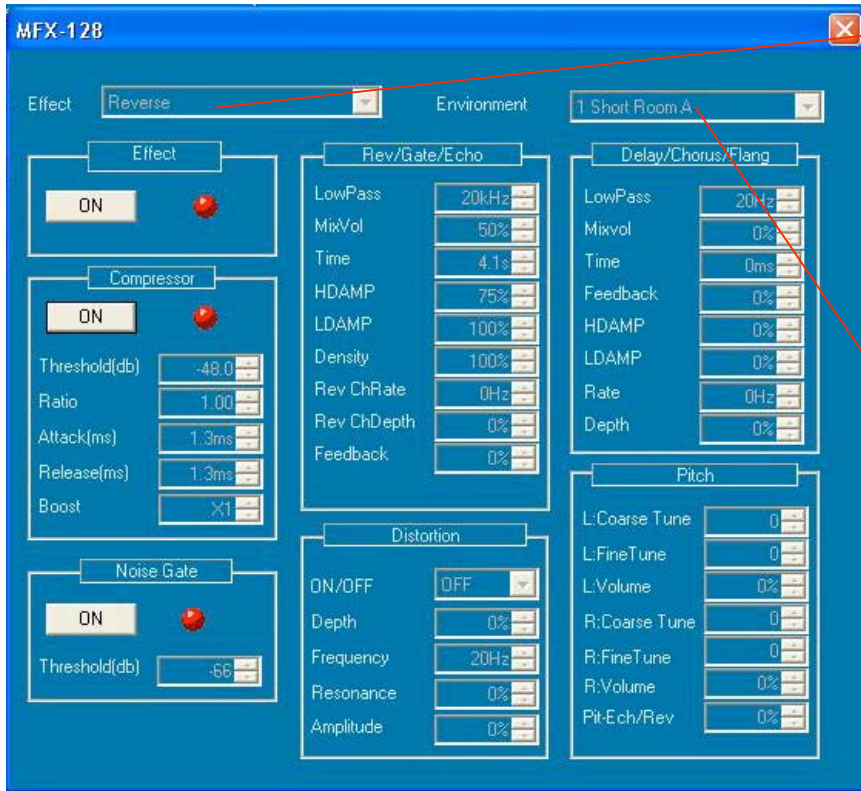
Insert the CD in your computer and install the CD by clicking on the MFX-128-icon.  
Within 5 seconds this handy piece of software is installed.  
Be sure to connect the MFX-128 via a RS232-cable to your computer.



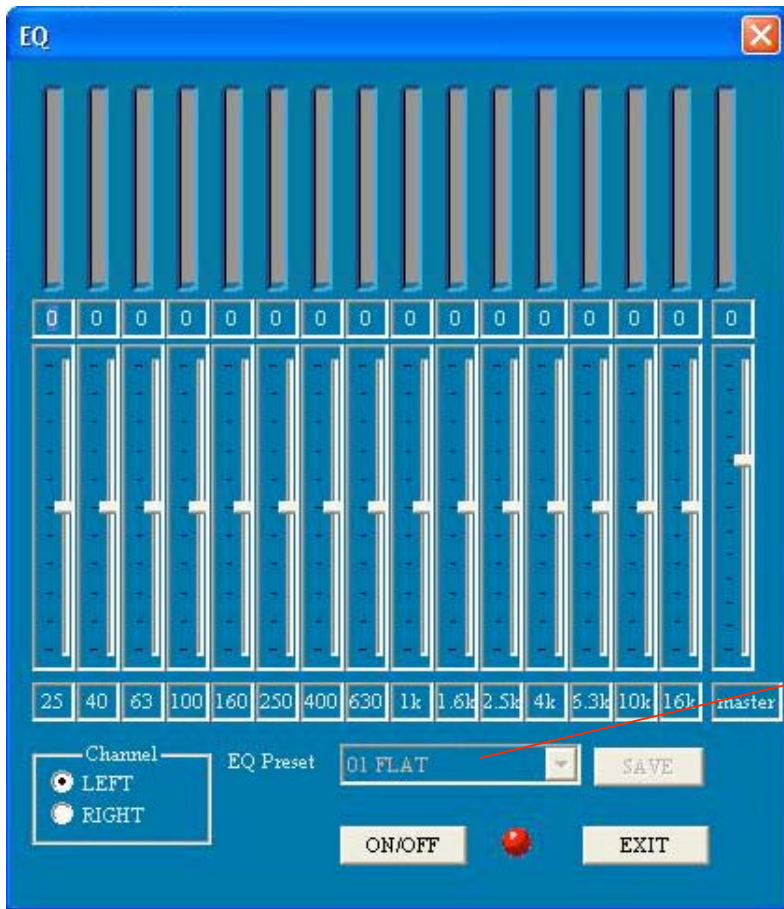
Main Menu - Mono



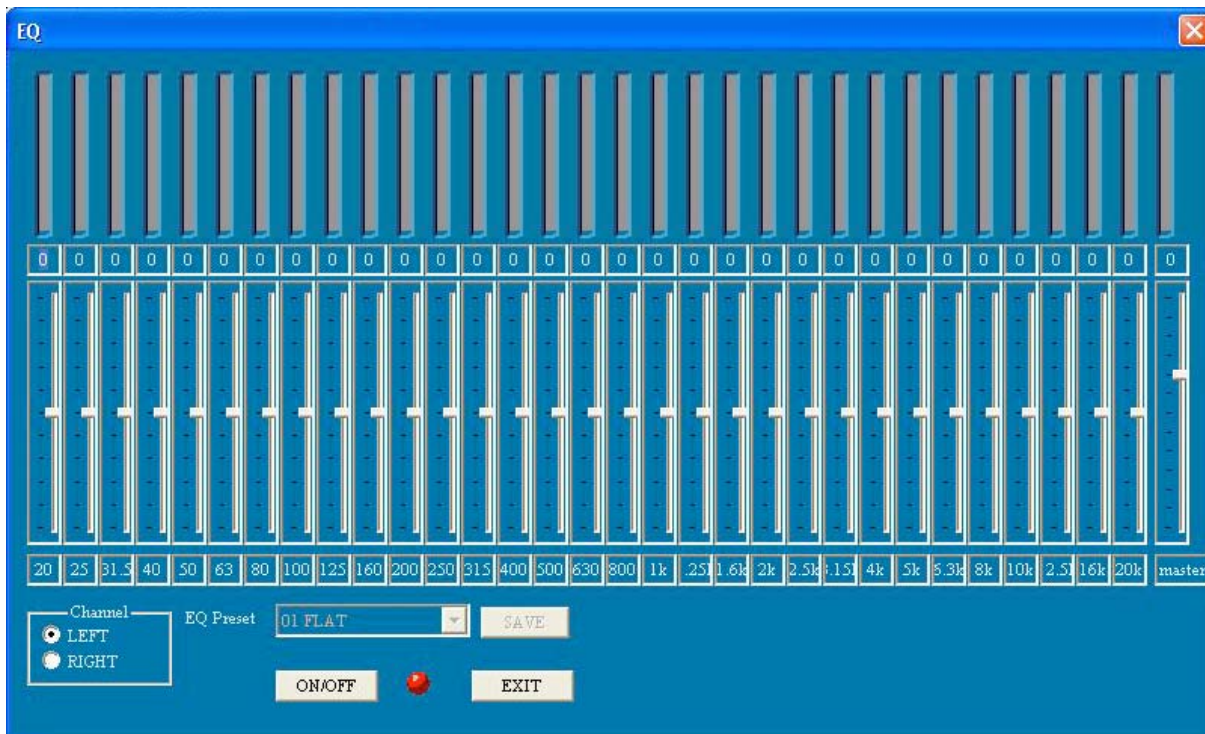
Main Menu - Stereo



Noise Gate / Compressor / Effect



Mono EQ



Stereo EQ



## Appendix 1

### Reverb

RLPF	Reverb pre low-pass filter (low-pass filter on input) Frequency range is the same as that of EQ in MONO, 31 frequencies see appendix 2
Rev Mix	Reverb volume 0-100%, step in 1%
Rtime	Reverb time 0~10s, step in 0.1s
RvHDAMP	High frequency filter on reverb decay 0-100%, step in 1%
RvLDAMP	Low frequency filter on reverb decay 0-100%, step in 1%
RevDens	Reverb density 0~100%, step in 1%
Rrate	Reverb chorus rate ~3.87Hz, step in 0.12Hz
RvDepth	Reverb chorus depth 0-100%, step in 1%

### Gate

GtLP	Gate pre low-pass filter Frequency range is the same as that of EQ in MONO, 31 frequencies see appendix 2
Gate Mix	Gate volume 0-100%, step in 1%
Gtime	Gate time 0-800ms, step in 10 ms

### Echo

EcLP	Echo pre low-pass filter Frequency range is the same as that of EQ in MONO, 31 frequencies see appendix 2
EchoMix	Echo volume 0-100%, step in 1%
ETime	Echo time 0-1000ms, step in 10ms
EcHDAMP	High frequency filter on echo feedback 0-100%, step in 1%
EcLDAMP	Low frequency filter on echo feedback 0~100%, step in 1%
EchoFB	Echo feedback 0~100%, step in 1%

### Delay

DeLP	Delay pre low-pass filter Frequency range is the same as that of EQ in MONO, 31 frequencies see appendix 2
Del Mix	Delay volume 0-100%, step in 1%
Dtime	Delay time 0~80ms, step in 1ms
DeIFB	Delay feedback 0~100%, step in 1%
DeHDAMP	High frequency filter on delay feedback 0~100%, step in 1%
DeLDAMP	Low frequency filter on delay feedback 0-100%, step in 1%

### Chorus

ChLP	Chorus pre low-pass filter Frequency range is the same as that of EQ in MONO, 31 frequencies see appendix 2
ChoMix	Chorus volume 0-100%, step in 1%

Ctime	Chorus delay 0~60ms, step in 1ms
ChoFB	Chorus feedback 0-100%, step in 1%
Crate	Chorus rate 0~15.5Hz, step in 0.49Hz
ChDepth	Chorus depth 0-100%, step in 1%
Flanging FILP	Flanging pre low-pass filter Frequency range is the same as that of EQ in MONO, 31 frequencies see appendix 2
Flg Mix	Flanging volume 0-100%, step in 1%
FTime	Flanging delay 0~60ms, step in 1ms
Flg FB	Flanging feedback 0-100%, step in 1%
Frate	Flanging rate 0-15.5Hz, step in 0.49Hz
FIDepth	Flanging depth 0-100%, step in 1%
Distortion Dist	Switch of distortion ON/OFF
DiDepth	Depth of distortion 0-100%, step in 1%
Freq	Low-pass filter of distortion Frequency range is the same as that of EQ in MONO, 31 frequencies see appendix 2
Resonan	Low-pass filter resonance of distortion 0-100%, step in 1%
Amplitu	Input amplitude of low-pass filter 0-100%, step in 1%
Pitch shift L Coarse	Pitch shift coarse tune of left channel -12 - +12, step in 1
Lfine	Pitch shift fine tune of left channel -1 ~ +1, step in 1/50
L EfVol	Pitch shift sound to left output 0-100%, step in 1%
R Coarse	Pitch shift coarse tune for right channel -12 - +12, step in 1
Rfine	Pitch shift fine tune for right channel -1 - +1, step in 1/50
R Efvol	Pitch shift sound to right output 0-100%, step in 1%
Pit Mix	Pitch shift sound to other output 0-100%,step in 1%

## Appendix 2

(EQ frequency of MONO /Hz)

20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 400, 500, 630, 800, 1.0k, 1.25k, 1.6k, 2.0k, 2.5k, 3.15k, 4.0k, 5.0k, 6.3k, 8.0k, 10k, 12.5k, 16k, 20k..

(EQ frequency of STEREO/Hz)

25, 40, 63, 100, 160, 250, 400, 630, 1.0k, 1.6k, 2.5k, 4.0k, 6.3k, 10k, 16k.

### Appendix 3: Effect list

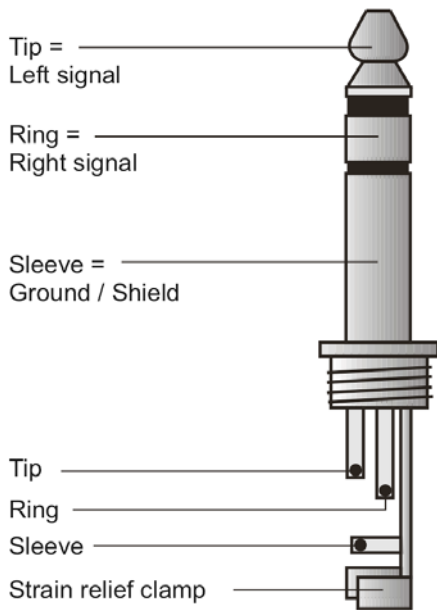
EFFECT	EFFECT	EFFECT	EFFECT
<b>Rev/Gate</b>	40 Long Time Cho	78 Up/Down Oct	117 UpM3/D4+Ech'
1 Short Room A	41 Leslie Slow	79 Up octave	118 DnM2/D4+Ech'
2 Short Room B	42 Leslie Fast	80 Down Octave	119 Upm3/D4+Rev'
3 Short Room C	<b>Flanging</b>	81 Light Detune	120 Dist Flang 1
4 Room A	43 Flang Light 1	82 Deep Detune	121 Dist Flang 2
5 Room B	44 Flang Light 2	83 Doubler	122 Dist + Chor. 1
6 Small Hall A	45 Flang Med 1	84 Robot Voice 1	123 Dist + Chor.2
7 Small Hall B	46 Flang Med 2	85 Robot Voice 2	124 Dist + Echo
8 Large Hall A	47 Flang Med 3	86 Robot Voice 3	125 Dist + Gate
9 Large Hall B	48 Flang Med 4	87 Dark Voice 1	126 Dist + Oct Dn
10 Church A	49 Slow Flange 1	88 Dark Voice 2	<b>Del+Other</b>
11 Church B	50 Flange Deep 1	89 Dark Voice 3	127 Sh. Del + Rev
12 Cathedral A	51 Flange Deep 2	90 Mouse Voice 1	128 Sh. Del + Gate
13 Cathedral B	52 Flange Deep 3	91 Mouse Voice 2	
14 Cathedral C	<b>Distortion</b>	92 Mouse Voice 3	
15 Forward Gate	53 Tube Dist L1	93 Mouse Voice 4	
16 Reverse GTA	54 Tube Dist L2	94 Mouse Voice 5	
17 Reverse GTB	55 Tube Dist M1	95 Mouse Voice 6	
18 Left-Right GT	56 Tube Dist M2	96 Ligh. Doubler	
<b>ECH/Delay</b>	57 Tube Dist H1	97 Med. Doubler	
19 Mono Echo	58 Tube Dist H2	98 Deep Doubler	
20 Stereo Echo	59 Grunge	99 Oct DnDouble	
21 Mono 3/4 Echo	60 Metal	<b>Chor+Other</b>	
22 Stereo 3/4 Echo	61 Fuzz 1	100 Chorus + Rm 1	
23 Mono 4/4 Echo	62 Fuzz 2	101 Chorus + Rm 2	
24 Stereo 4/4 Echo	63 Sharp	102 Chor. + Hall 1	
25 Mono Triplet	64 Heavy	103 Chor. + Hall 2	
26 Stereo Triplet	65 Mess	104 Ch.+ Church'	
27 Delay Mono	66 Dist Filter	105 Ch.+ Cathed.'	
28 Delay Stereo	<b>Pitch Shift</b>	106 Leslie +Hall	
29 DelFb Mono	67 Up M3rd/Dn4th	107 Leslie +Room	
30 DelFb Stereo	68 Up m3rd/Dn4th	108 Chorus +Ech 1	
<b>Chorus</b>	69 Up M3/DnAug4	109 Chorus +Ech 2	
31 Chorus Light 1	70 Up 4th	110 Chorus +Ech 3	
32 Chorus Light 2	71 Down 4th	<b>Flg+Other</b>	
33 Chorus Med 1	72 Up 5th	111 Flg+ShortRm	
34 Chorus Med 2	73 Down 5th	112 Flange+Room	
35 Chorus Deep 1	74 Up 6th	113 Flange+Hall	
36 Chorus Deep 2	75 Down M6th	114 Flg+Cathed.	
37 Chorus Fast 1	76 Down M6th	115 Flange+Echo'	
38 Chorus Fast 2	77 DnM2nd/Dn4th	<b>Pitch other</b>	
39 Resonant Cho	78 Up/Down Oct	116 OctDown+Ech'	

## Connection Cables

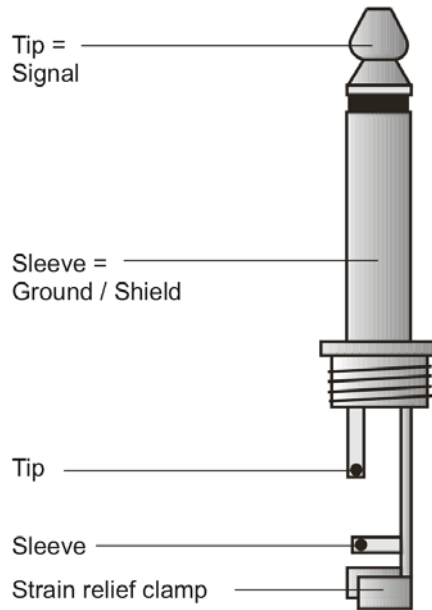
Take care of the connector cables, always holding them by the connectors and avoiding knots and twists when coiling them: This gives the advantage of increasing their life and reliability, which is always to your advantage.

Periodically check that your cables are in good condition, that they are correctly wired and that all their contacts are perfectly efficient: a great number of problems (faulty contacts, ground hum, discharges, etc.) are caused entirely by using unsuitable or faulty cables.

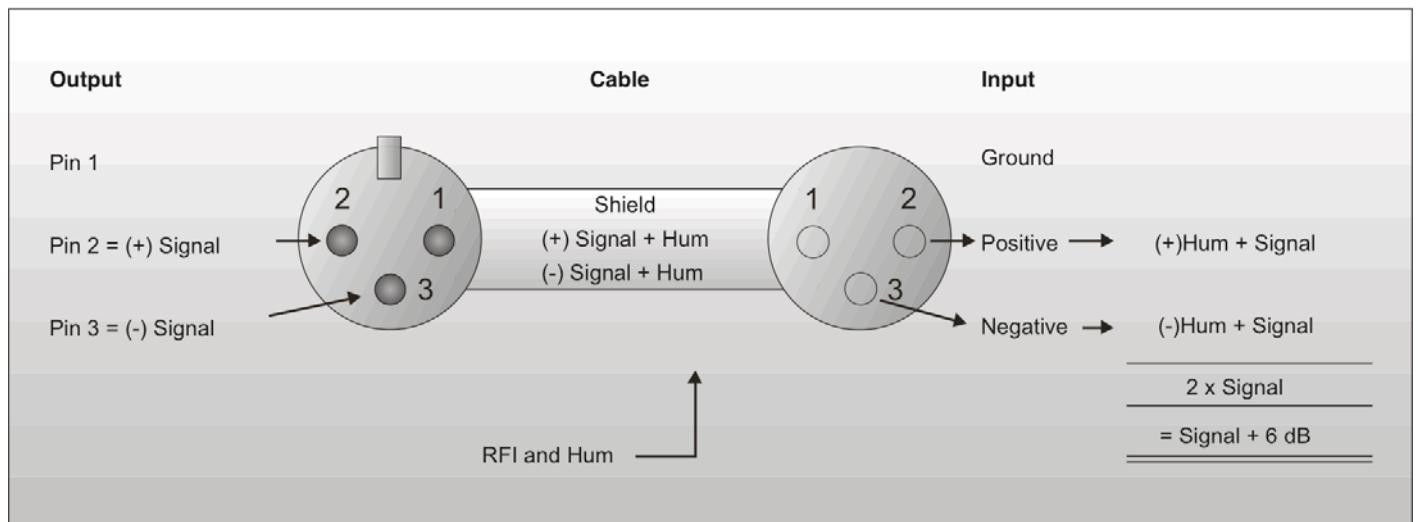
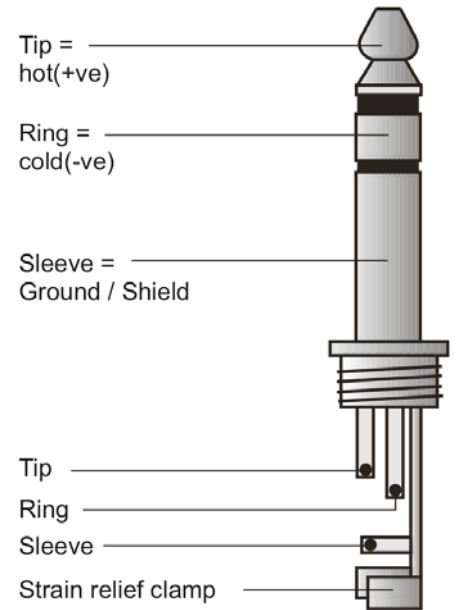
### Headphones



### Unbalanced mono 1/4" jack plug

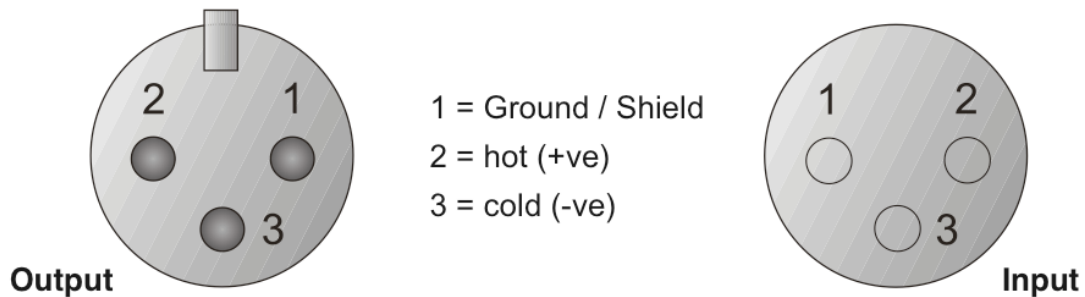


### Balanced mono 1/4" jack plug



**Compensation of interference with balanced connections**

### Balanced use with XLR connectors



For unbalanced use PIN 1 and PIN 3 have to be bridged

## Maintenance

The MFX-128 equalizer requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Keep connections clean. Disconnect electric power, and then wipe the audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

### Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover.
3. Remove the used fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

## Troubleshooting

### Dap Audio MFX-128

This troubleshooting guide is meant to help solve simple problems.

If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

1. If the device does not operate properly, unplug the device.
2. Check the power from the wall, all cables etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If you are unable to determine the cause of the problem, do not open the equalizer, as this may damage the unit and the warranty will become void.
5. Return the equalizer to your Dap Audio dealer.

## Product Specifications

Model: DAP Audio MFX-128  
Power supply: 230 VAC, 50 Hz  
Power consumption: 10 W  
Fuse: 0,315A (slow-blow)

### Analog Inputs

Connectors: XLR or balanced 1/4" jack  
Type: balanced  
Input impedance: 40K $\Omega$  balanced, 20K $\Omega$  unbalanced  
Nominal Operating Level: -20 dB to +4 dB  
Max. input level: +16 dB at +4 dB nominal level, +2 dB at -20 dB nominal level

### Analog Outputs

Connectors: XLR or balanced 1/4" jack  
Type: Electronically servo-balanced output  
Impedance: <100 $\Omega$   
Max Output Level: +10dBu, load in 600 $\Omega$   
Frequency Response: 20Hz~20KHz, + 0.25dB  
THD: <0.01%@1KHz, Input Level +8dB u  
Channel Separation: >80dB, 20Hz ~ 20KHz Input Level +8dB u  
Noise Gate: -66dB~-24dB

### Compressor

Threshold Ratio: -48dB to 0dB, 1.5 dB step  
Ratio: 1.0 to Limit  
Attack Time: 1.3ms - 500ms  
Release time: 1.3ms - 500ms  
Boost Gain: x1, x2, x4, x8

### Equalizer

Mono mode: 2 x 31 Band ISO Frequency Equalizer,  $\pm$  15dB boost/cut gain, 1 dB step  
Stereo mode: 2 x15 Band ISO Frequency Equalizer

### MIDI Interface

Type: 5-Pin-DIN-Socket MIDI IN (RS232 IN) / MIDI OUT / MIDI THRU

### Digital Processing

Converters: 24-bit Sigma-Delta, 64/128-times over-sampling  
Sampling Rate: 48KHz  
S/PDIF: Coaxial: Input Impedance 75 $\Omega$   
Output Impedance 75 $\Omega$   
Display: 2x16 character LCD Display  
Dimensions: 482 x 152 x 45 mm (LxWxH) Weight: 2 kg

Design and product specifications are subject to change without prior notice.





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