

# **Numark**

# **PRO SMX**

## **[NMS1]**

## **Service Manual**

Rev. 1  
2011.02.28

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## ***PREFACE***

This document is intended to assist the service technician in the operation, maintenance and repair of the Numark device. Together with the User Reference Manual, this document provides a complete description of the functionality and serviceability of the Device. Any comments or suggestions you may have pertaining to the document are welcome and encouraged.

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## **WARNINGS**

**TO REDUCE THE RISK OF ELECTRIC SHOCK OR FIRE, DO NOT EXPOSE THIS PRODUCT TO WATER OR MOISTURE.**



The arrowhead symbol on a lightning flash inside a triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the enclosed product which may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point inside a triangle is intended to alert the user to the presence of important operating, maintenance and servicing instructions in the literature which accompanies the product.

**REPAIR BY ANY PERSON OR ENTITY OTHER THAN AN AUTHORIZED NUMARK SERVICE CENTER WILL VOID THE NUMARK WARRANTY.**

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### ***Regarding the Power Supply Fuse***



**CAUTION:** The product under service may employ the use of a replaceable fuse. Danger of fire or electrocution if fuse is incorrectly replaced. Replace with only the same type or equivalent type recommended by the equipment manufacturer.

### ***Regarding the Internal Battery***



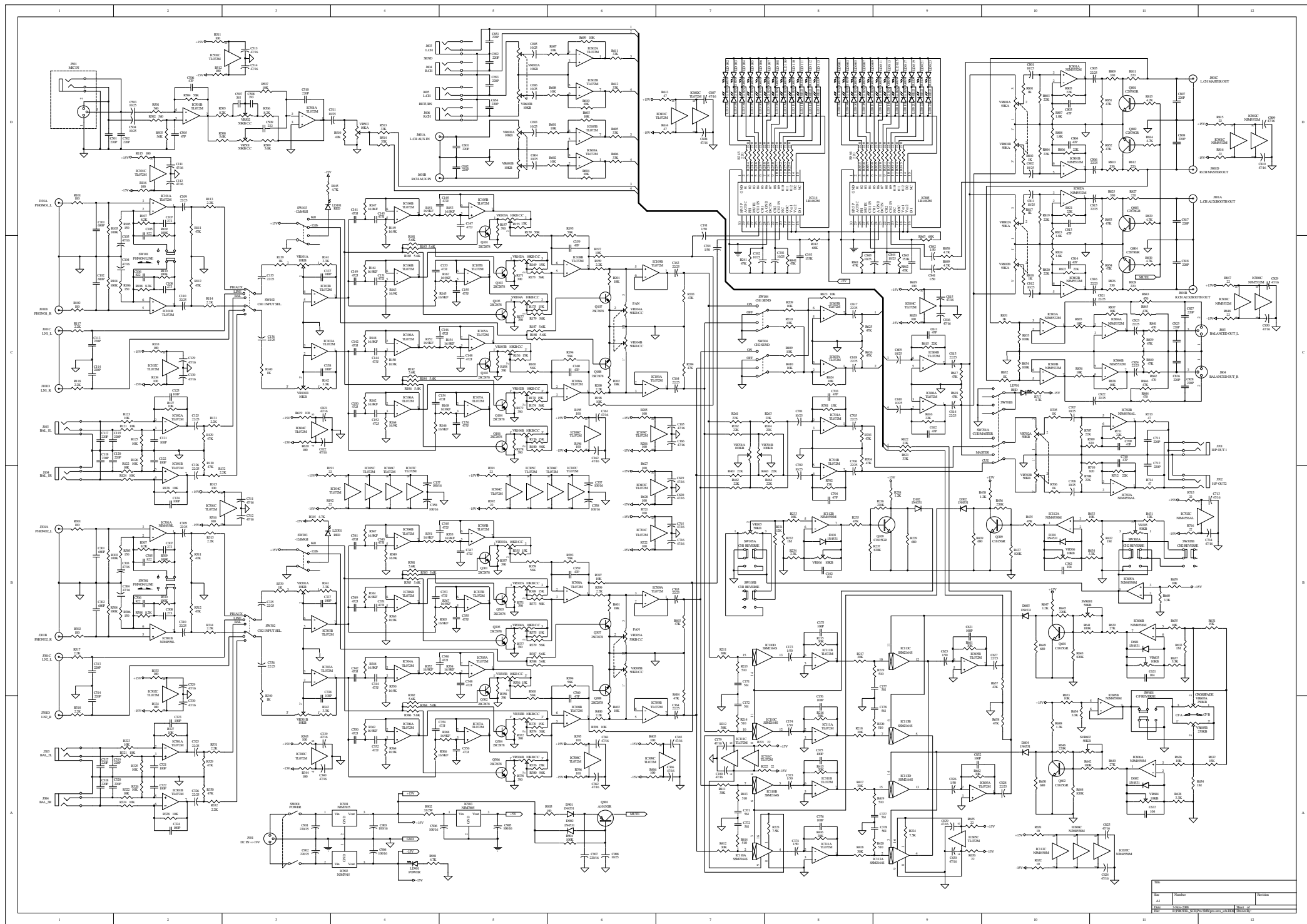
**CAUTION:** The product under service may employ the use of a internal battery. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instruction.

## ***Safety Instructions***

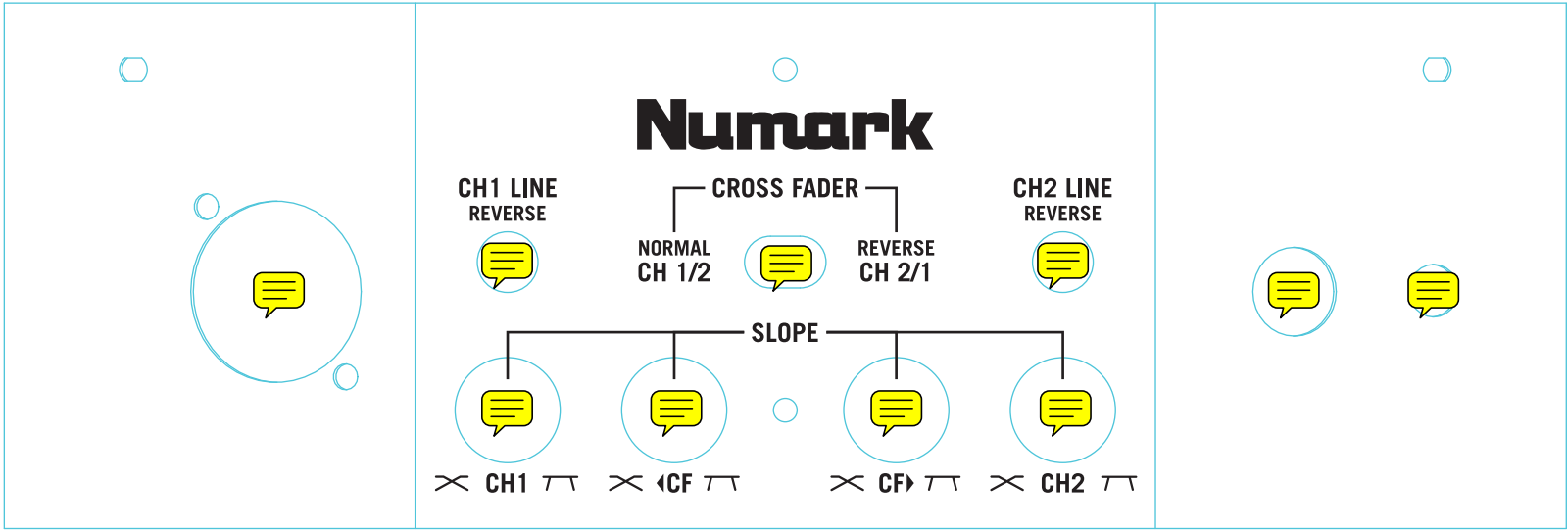
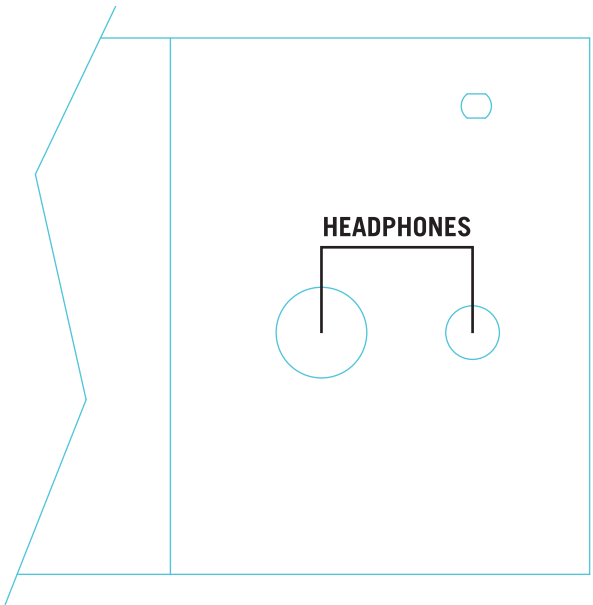
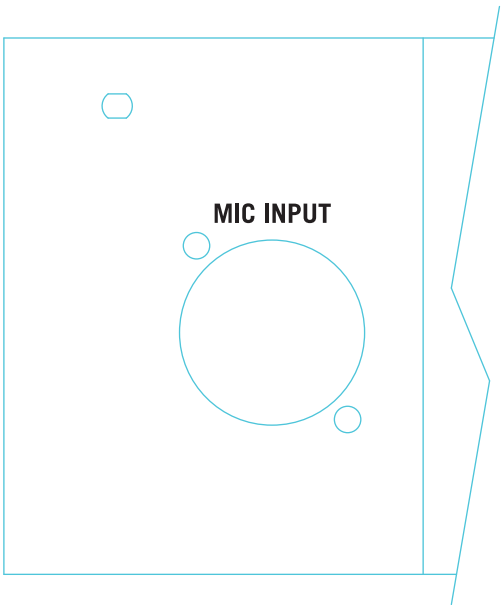
Carefully read the applicable items of the operating instructions and these safety suggestions before using this product. Use extra care to follow the warnings written on the product itself and in the operating instructions. Keep the operating instructions and safety suggestions for reference in the future.

1. Power Source. The product should only be connected to a power supply which is described either in the operating instructions or in markings on the product.
2. Power Cord Protection. AC power supply cords should be placed such that no one is likely to step on the cords and such that nothing will be placed on or against them.
3. Periods of Non-use. If the product is not used for any significant period of time, the product's AC power supply cord should be unplugged from the AC outlet.
4. Foreign Objects and Liquids. Take care not to allow liquids to spill or objects to fall into any openings of the product.
5. Water or Moisture. The product should not be used near any water or in moisture.
6. Heat. Do not place the product near heat sources such as stoves, heat registers, radiators or other heat producing equipment.
7. Ventilation. When installing the product, make sure that the product has adequate ventilation. Improperly ventilating the product may cause overheating, which may damage the product.
8. Mounting. The product should only be used with a rack which the manufacturer recommends. The combination of the product and rack should be moved carefully. Quick movements, excessive force or uneven surfaces may overturn the combination which may damage the product and rack combination.
9. Cleaning. The product should only be cleaned as the manufacturer recommends.
10. Service. The user should only attempt the limited service or upkeep specifically described in the operating instructions for the user. For any other service required, the product should be taken to an authorized service center as described in the operating instructions.
11. Damage to the Product. Qualified service personnel should service the unit in certain situations including without limitation when:
  - a. Liquid has spilled or objects have fallen into the product,
  - b. The product is exposed to water or excessive moisture,
  - c. The AC power supply plug or cord is damaged,
  - d. The product shows an inappropriate change in performance or does not operate normally, or
  - e. The enclosure of the product has been damaged.

Spare Parts BOM		
Parts No.	Description	NMS1
E-VR-249-00	VR, PRO-XFADER	1
E-SW-032-01	SW LS001-A43BBA	2
E-SW-104-00	SW SPEA12MC01	2
E-SW-109-00	SW SPEA12MC03	3
E-VR-211-00	VR RD09L12D0022	4
E-VR-212-00	VR RD09L12D0015	1
E-VR-217-00	VR RD09L12DA02 10KBX2 C.C.	6
E-VR-223-00	VR RD09L11HA001 50K2B	2
E-VR-227-00	VR RD09L12C0008 50K15AX2	2
E-VR-243-00	VR RD09L11H0005 10KA	1
E-VR-246-00	VR RD09L11H0006 10KB	4
E-JK-053-00	H/P JACK CPJ-3055G	1
E-JK-058-02	CONNECTOR JACK GXL-089	2
E-JK-065-01	RCA JACK 4P CPS-044MG 金	3
E-JK-080-00	P/H JACK CPJ0614G	6
E-JK-081-00	P/H JACK CPJ0614G-4	2
E-JK-082-00	RCA JACK 2P CPS0326GH-92 鍍金	1
E-VR-242-00	VR RK45K1F-10-15C1-0B50K	2
E-VR-244-00	VR RA2063F-20-15C1-B100K	1
E-VR-245-00	VR RA2062F-20-15C1-B50K C.C.	2
E-SW-059-00	LEVER SW LBC23M-095	2
E-SW-133-00	SW SLW-22-12KB	1
E-VR-247-01	SMT SVR TSR-C3305 200KB	2
E-VR-247-02	SVR TSR-66-5-5 200K	2
E-JK-044-00	H/P JACK LJE0664-6	1
E-SW-077-00	SLIDE SW SS-22F39-G5	2
E-SW-102-01	SW MR-21N-4BB-F2	1
E-JK-069-00	NEUTRIK NCJ6F1-V-0	1
P-CN-079-00	DIN JACK CB-3MC	1
P-KB-076-00	KNOB RTK-18 0度 RUBBER	20
P-KB-078-05	KNOB EQ 原(04)橡膠披覆	3
P-KB-079-00	KNOB 7* 圓形	2
P-KB-089-00	PUSH KNOB ASS'Y MATRIX-3	3
P-KB-118-00	CHANNEL FADER KNOB	2
P-KB-118-01	CROSSFADER KNOS	1
P-KB-066-00	LV KNOB LV-S002	4
E-PT-063-00	ADAPTER NMS1	1



Rev	Number	Revision
A1		
Rev	10000000	Rev 01



Layer 3 – WHITE			
Layer 2 – Mechanical Die/Ink/Drawing - DO NOT PRINT			
Layer 1 – Reference/Info -- DO NOT PRINT			
changes from last revision			
RevA: NEW ARTWORK RevB: CFA,CFB - exchange A and B for arrows RevC:			
PART COLOR: Pantone Process Black U			
code	description		revision
NMS1	NMS1_FrontPanel		REV C
created	checked	date	
PWilliamson	D Czarnecki	02.06.2008	
product name / description		print	scale
Pro SM-X		Silkscreen	1:1
Product Development		Artwork Release	
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**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN  
WARNING: SHOCK HAZARD - DO NOT OPEN  
AVIS: RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR

**Numark PRO SMX**

CE FC

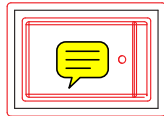
ETL US  
9700379



N382

**WARNING:**  
TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT  
EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE

**POWER**



**DC IN**

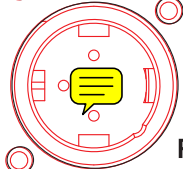


**+/-19V 0.5A**

**MASTER  
BALANCED OUT**



L



R

**FX  
RETURN**



L



R

**FX  
SEND**



**AUX IN**



L

**MASTER**



L



R



L



R

**OUTPUT**

**CH2**



L



R



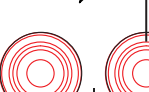
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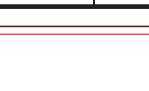
R

**BALANCED**

**GND**



L



R



L



R

**LINE**

**PHONO**

**CH1**



L



R



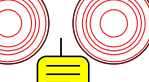
L



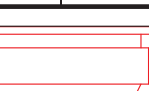
R

**BALANCED**

**GND**



L



R



L



R

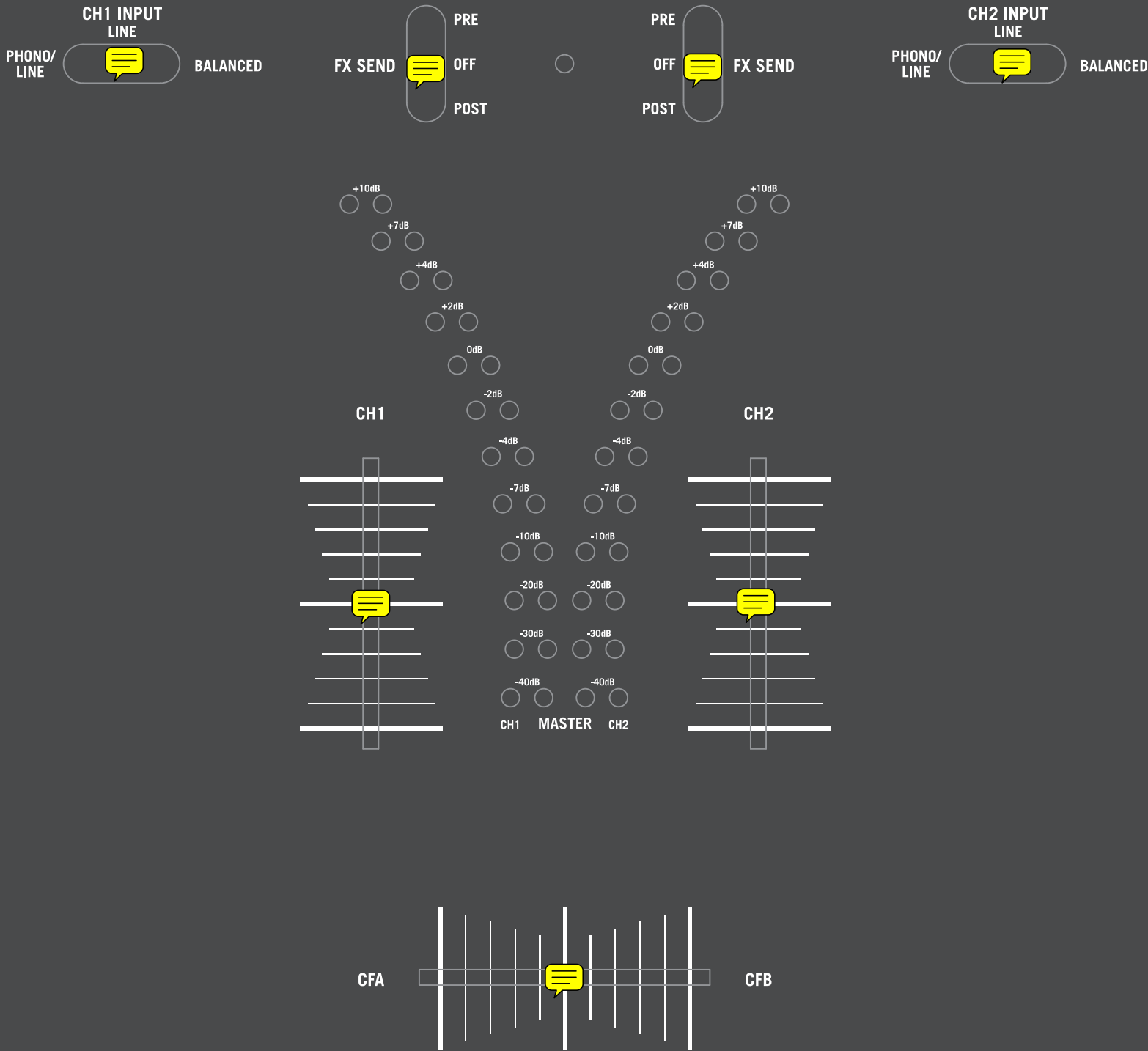
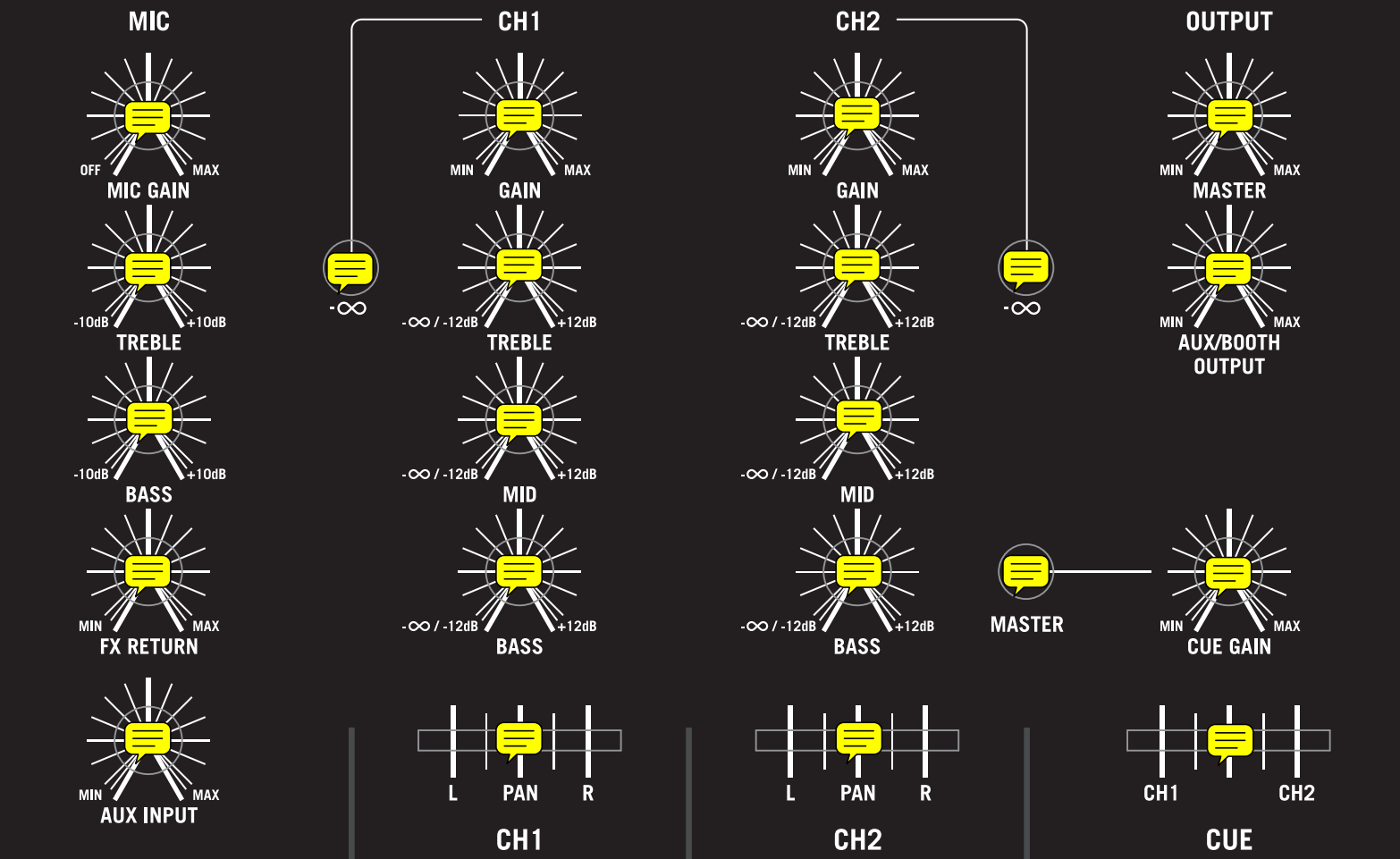
**LINE**

**PHONO**



Numark PRO SMX

Numark PRO SMX



Layer 4 -- Mechanical Dieline/Drawing - DO NOT PRINT		
Layer 3 -- Pantone WHITE		
Layer 2 -- Pantone PROCESS BLACK C		
Layer 1 -- Reference/Info -- DO NOT PRINT		
changes from last revision RevA: NEW ARTWORK RevB: RED, LABELING RevC: Added phono line, mic off, different line treatment RevD: Removed (c) from product name RevE: 2nd PASS WHITE FOR EXISTING STOCK<<<<<< RevF: Added white markings around lines, complete artwork file for new stock, .		
PART COLOR: BLACK / BRUSHED ALUMINIUM		
code	description	revision
NMS1	NSM1_TopPanel	REV F
created	checked	date
Williamson		2008.07.25
product name / description	print	scale
PRO SMX	silkscreen	1:1
Product Development		Artwork Release
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