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.

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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.

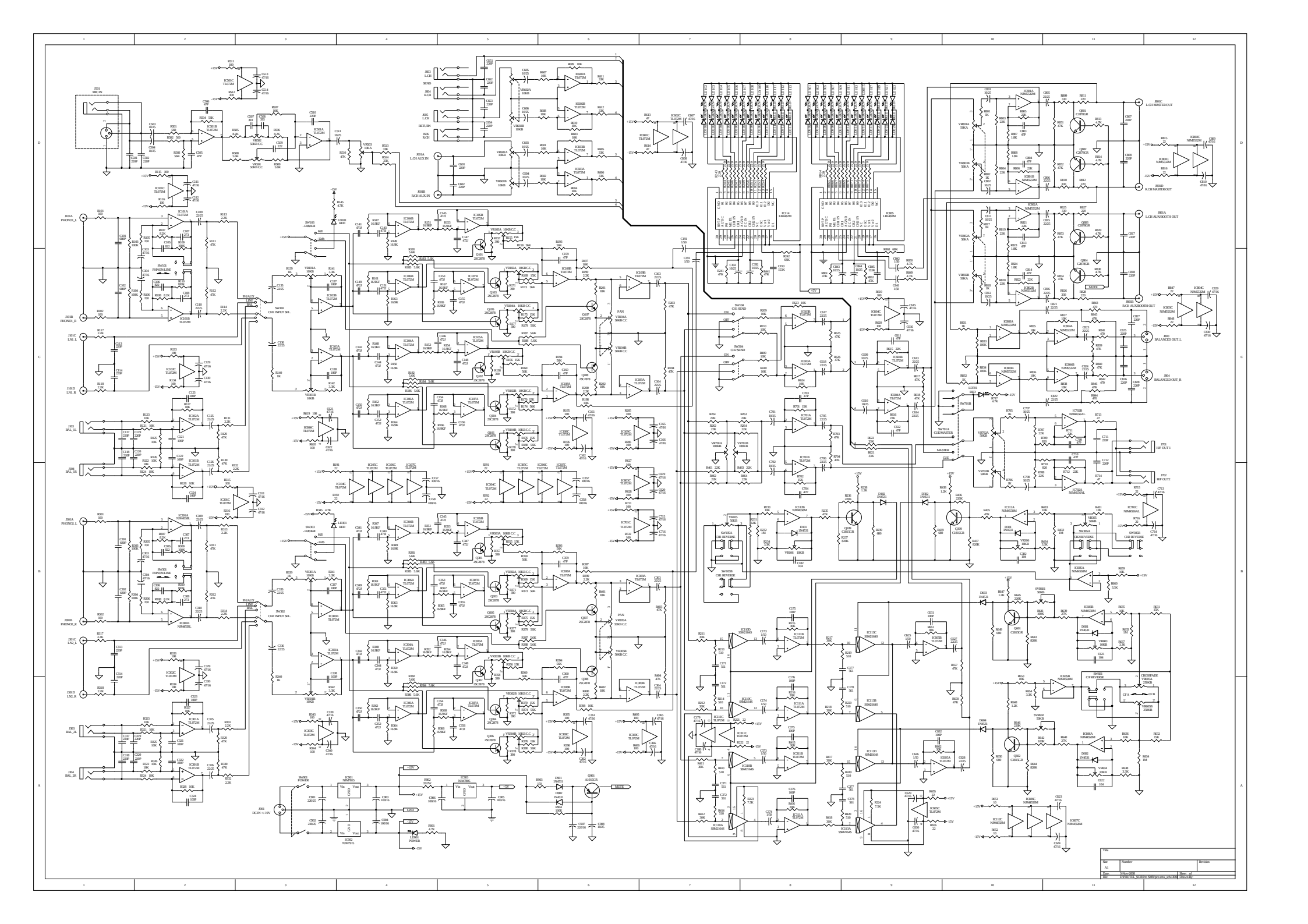
8. Mounting. The product should only be used with a rack which the manufacturer recommends. The combination of the product and rack should be moved carefully. Quick movements, excessive force or uneven surfaces may overturn the combination which may damage the product and rack combination.

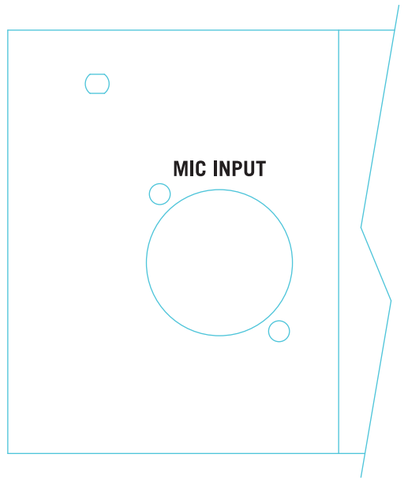
9. Cleaning. The product should only be cleaned as the manufacturer recommends.

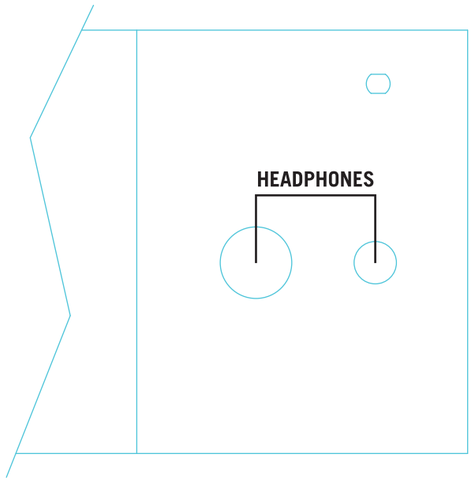
10. Service. The user should only attempt the limited service or upkeep specifically described in the operating instructions for the user. For any other service required, the product should be taken to an authorized service center as described in the operating instructions.

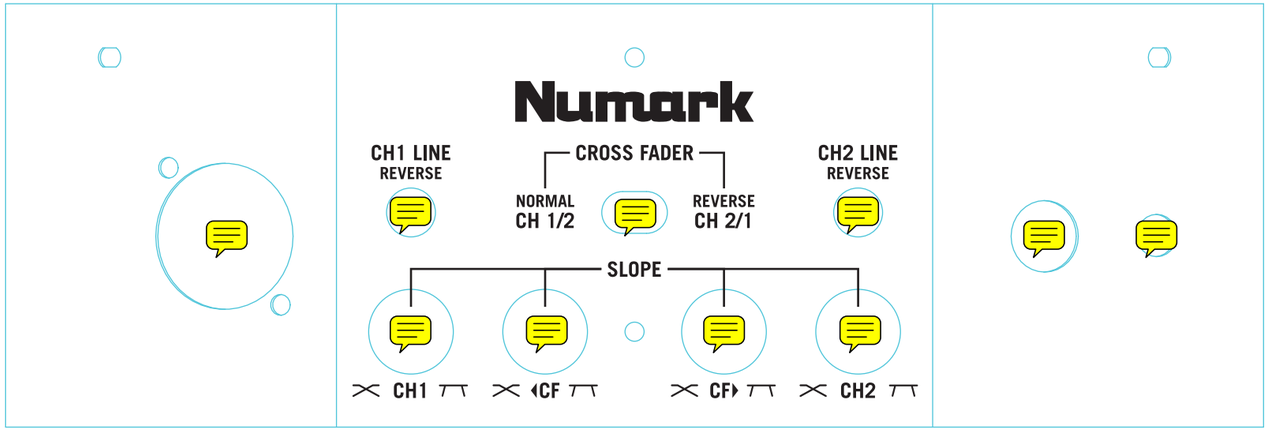
11. Damage to the Product. Qualified service personnel should service the unit in certain situations including without limitation when:
    a. Liquid has spilled or objects have fallen into the product,
    b. The product is exposed to water or excessive moisture,
    c. The AC power supply plug or cord 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 GXLR-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









Layer 3 – WHITE

Layer 2 – Mechanical Dieline/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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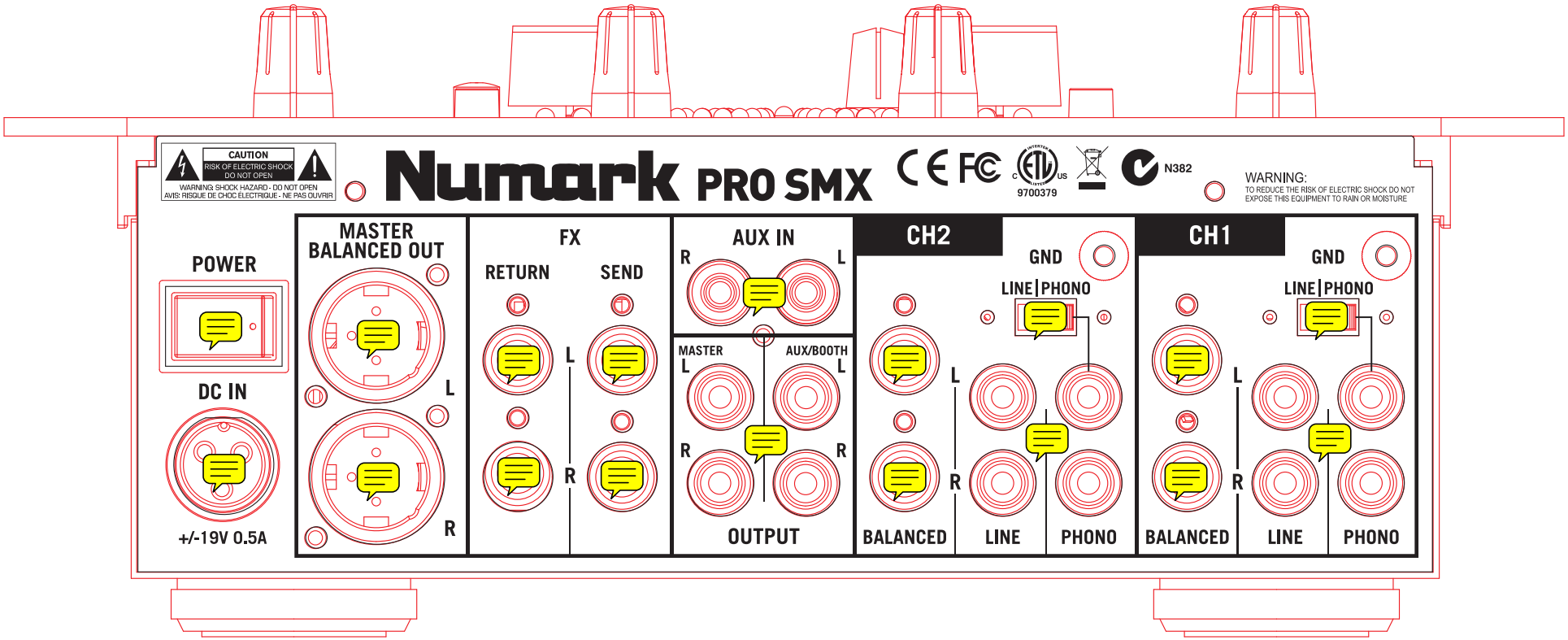
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
WARNING: SHOCK HAZARD - DO NOT OPEN
AVIS: RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR
Numark PRO SMX
9700379
N382
WARNING:
TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE
POWER
DC IN
+/-19V 0.5A
MASTER BALANCED OUT
L
R
FX
RETURN
SEND
L
R
AUX IN
R
L
MASTER
AUX/BOOTH
L
L
R
R
OUTPUT
CH2
GND
LINE | PHONO
L
R
BALANCED
LINE
PHONO
CH1
GND
LINE | PHONO
L
R
BALANCED
LINE
PHONO

MIC
OFF
MAX
MIC GAIN
-10dB
+10dB
TREBLE
-10dB
+10dB
BASS
MIN
MAX
FX RETURN
MIN
MAX
AUX INPUT
CH1
-∞
MIN
MAX
GAIN
-∞ / -12dB
+12dB
TREBLE
-∞ / -12dB
+12dB
MID
-∞ / -12dB
+12dB
BASS
L
PAN
R
CH1
CH2
-∞
MIN
MAX
GAIN
-∞ / -12dB
+12dB
TREBLE
-∞ / -12dB
+12dB
MID
-∞ / -12dB
+12dB
BASS
L
PAN
R
CH2
OUTPUT
MIN
MAX
MASTER
MIN
MAX
AUX/BOOTH
OUTPUT
MASTER
MIN
MAX
CUE GAIN
CH1
CH2
CUE
CH1 INPUT
LINE
PHONO/
LINE
BALANCED
FX SEND
PRE
OFF
POST
PRE
OFF
POST
FX SEND
CH2 INPUT
LINE
PHONO/
LINE
BALANCED
+10dB
+7dB
+4dB
+2dB
0dB
-2dB
-4dB
-7dB
-10dB
-20dB
-30dB
-40dB
CH1
MASTER
CH2
+10dB
+7dB
+4dB
+2dB
0dB
-2dB
-4dB
-7dB
-10dB
-20dB
-30dB
-40dB
CH1
CH2
CFA
CFB
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 (-) 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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