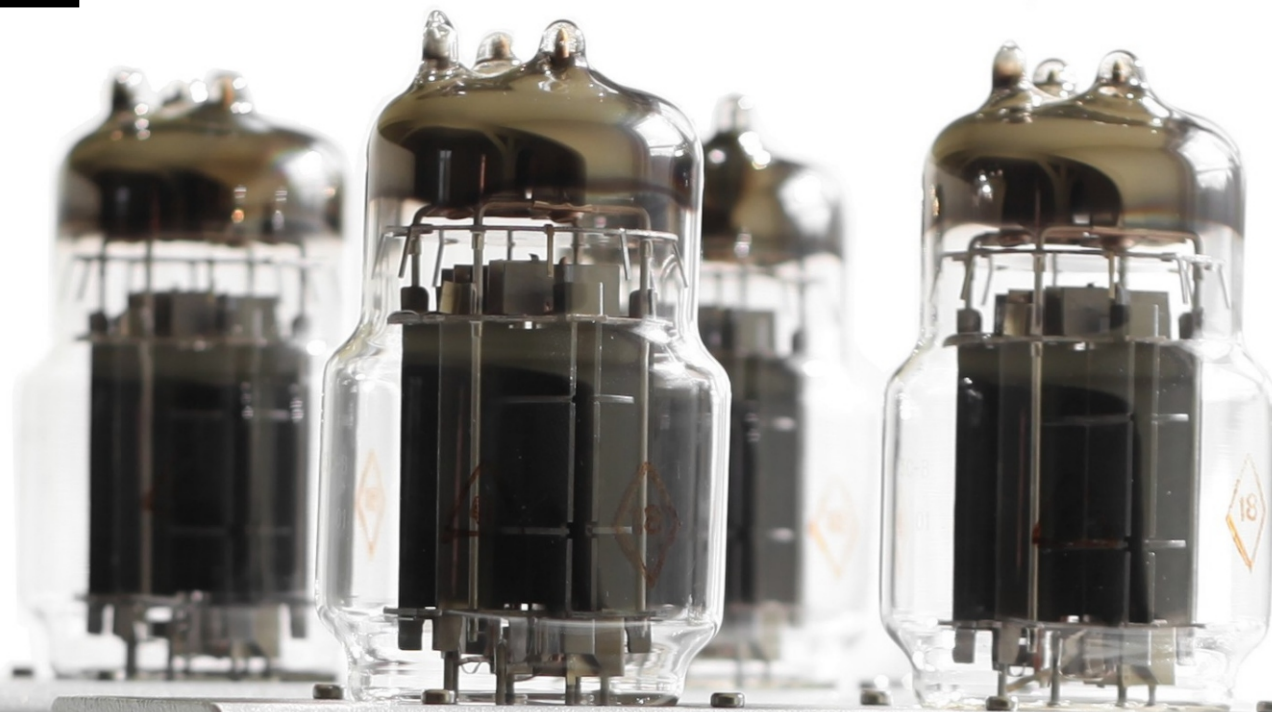


**ACUHORN**



**ACUHORN**

**OWNER'S MANUAL**  
ENGLISH

*acuhorn*

## TT

### STEREO AUDIOPHILE POWER AMPLIFIER INPUT TRANSFORMER AND OUTPUT TRANSFORMER 6C33C TUBE, SINGLE ENDED, CLASS A

ACUHORN TT ORIGINAL TUBE AMPLIFIER, IF YOU WANT TO EXPERIENCE THE SOUND OF ONE HUGE TUBE. A SUPPLY POWER WITH ULTRA STATE OF THE ART DC-DC CONVERTERS WORKING AT MEGA SPEED. THE IDEA ORIGINS ARE LIKE IN THE FIRST AMPLIFIERS WESTERN ELECTRIC. THE AMPLIFIER IS CLASSICAL OUTPUT TRANSFORMER AND APPLIES GRID INPUT TRANSFORMERS SIMILAR TO UTC LS-10. HERE IS ONLY ONE SERVICEABLE ELEMENT, THE SINGLE ENDED SE 6C33C TRIODE, TO BE EXCHANGED.

### GENERAL SAFETY INSTRUCTIONS

DO NOT USE THE AMPLIFIER NEAR PRESENCE OF CHILDREN.  
THREATENS TO BURN YOUR HANDS, VERY CAREFUL NOT TO TOUCH THE HOT TUBE.  
BEFORE REMOVING THE TUBES MAKE SURE ARE COLD.  
DO NOT DEFEAT THE SAFETY PURPOSE OF THE GROUNDING TYPE PLUG AND SOCKET.  
DO NOT INSTALL NEAR ANY HEAT SOURCES THAT PRODUCE HEAT (INCLUDING AMPLIFIERS).  
DO NOT BLOCK ANY VENTILATION OPENINGS.  
UNPLUG AMPLIFIER WHEN UNUSED WITHOUT DELAY, THERE IS NO STANDBY MODE.  
THE APPARATUS HAS BEEN DESIGNED FOR USE IN MODERATE CLIMATES.  
REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL.  
TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE THE COVER.  
DISCONNECT SUPPLY CORD BEFORE CHANGING FUSE AND TUBES.



## RESISTANCE TO TEMPERATURE

YOU MUST NOT TAKE OUT TUBES DURING WORK – IT MAY RESULT IN BURNING ONESELF.

IT IS NOT NECESSARY TO SELECT TUBES – ANY IN THEIR PRODUCTION TOLERANCE CAN BE APPLIED.

IN THIS DESIGN OF THE AMPLIFIER THE LIFE OF A 6C33C IS 3000 HRS.

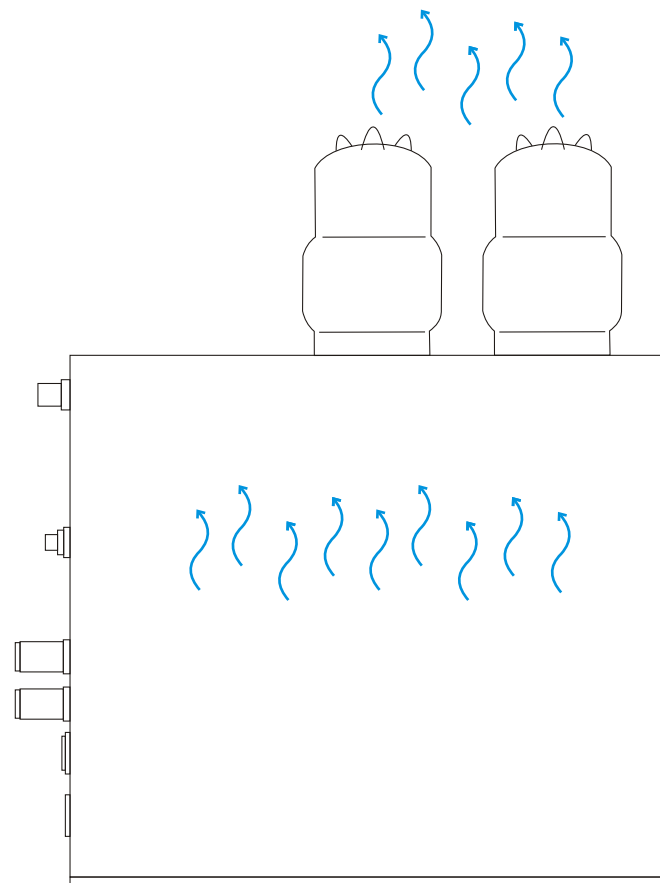
THE AMPLIFIER WARMS UP SUBSTANTIALLY DURING WORK BECAUSE OF CLASS-A OPERATION MODE – CONSUMES UP TO 280 WATTS.

IT IS RECOMMENDED TO LOCATE THE AMPLIFIER IN COOL - AIRY SPOT.

IT IS IMPORTANT TO MAINTAIN A LOW TEMPERATURE ON THE SIDE THE CHASSIS

PLACE FAR FROM ACCIDENTAL REACH TO AVOID RANDOM TOUCH AND BURN.

AFTER FINISHING THE WORK, THE AMPLIFIER IS SWITCHED OFF WITH THE SWITCH AND LEFT TO COOL.



THE AIRFLOW ON THE SIDE THE CHASSIS

## CONNECTING

NECESSARY IS AC POWER PLUGS MUST BE CONNECTED TO THE EARTH (GROUND).

IT CONNECTS WITH A MAINS SUPPLY VOLTAGE IN AUTORANGING 90 – 265 VAC @50/60 HZ.

AMPLIFIER IS READY FOR WORK AFTER INSERTING TUBES 6C33C IN THEIR SOCKETS. TUBE LIFE IS 3000 HOURS.

TO DRIVE THE FULL POWER NEED INPUT VOLTAGE 2.0 V RMS, TO CONNECT ANALOGUE TYPES RCA PHONO

RECOMMENDED USE OF A SOUND SOURCE WITH OUTPUT IMPEDANCE 50 OHM OR LESS OHM.

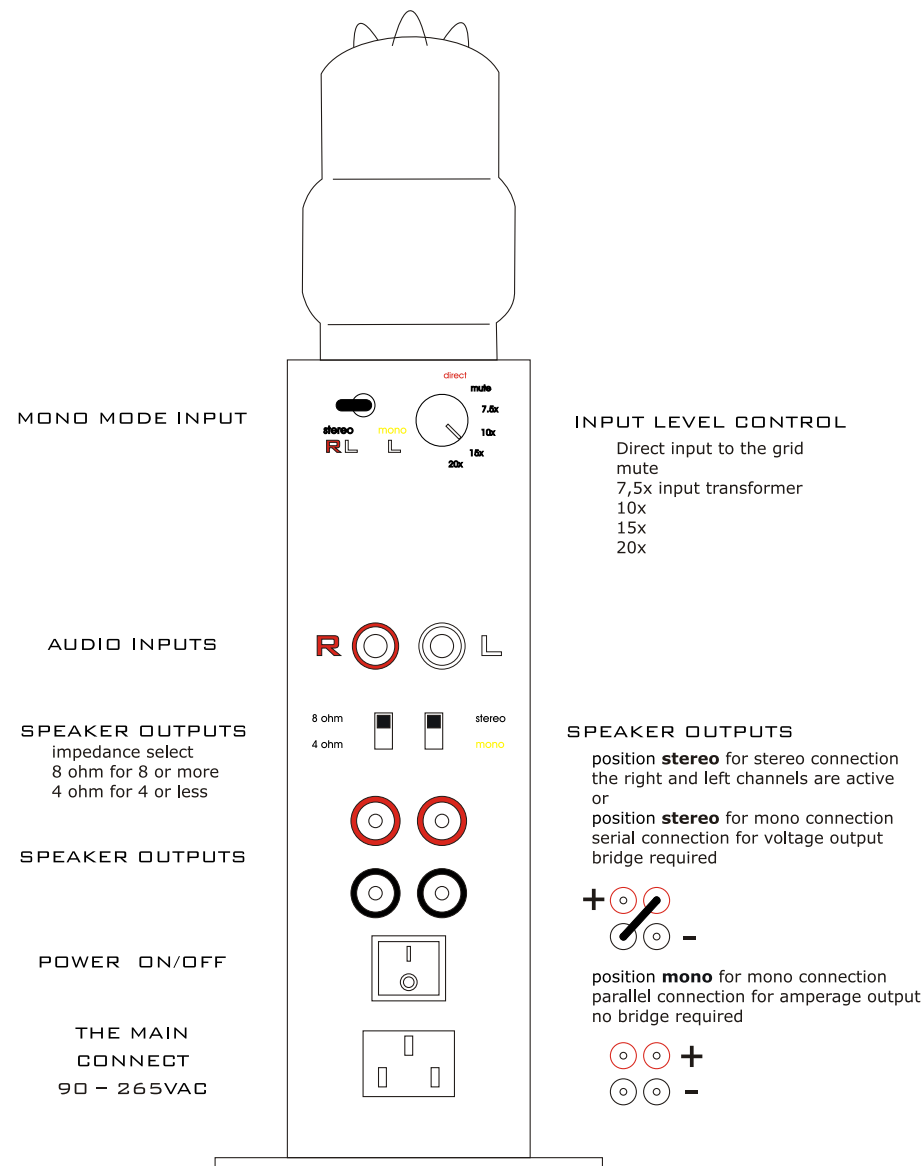
THERE ARE 4 INPUT SELECTION POSITIONS TO USE FOR VOLUME CONTROL, 3 DB STEPS.

THE OPTION IS TO USE THE PREAMPLIFIER DIRECTLY TO DRIVE TO THE GRID.

THE AMPLIFIER HAS A MONO MODE SWITCH. FOR MONO CONNECT THE SPEAKERS TO THE OUTPUT IN SERIES OR PARALLEL.

THE MAIN RED BUTTON SWITCHES IT ON.

AMPLIFIER READY IS AFTER 120S, TO FULLY WARM THE TUBES SEVERAL MINUTES ARE REQUIRED.



## TECHNICAL SPECIFICATIONS

INPUT VOLTAGE MAINS AUTORANGING 90-264VAC

MAXIMUM INPUT POWER 280W

ONE TUBE AMPLIFIER TYPE

SINGLE ENDED SE 6C33C TRIODE IN CLASS A

INPUT AND OUTPUT TRANSFORMER

INPUT SENSITIVITY 2V

OUTPUT POWER TUBE 2X6W (MONO MODE 12W)

OUTPUT IMPEDANCE 4 OHM AND 8 OHM

INTERNAL CABLE OCC COPPER

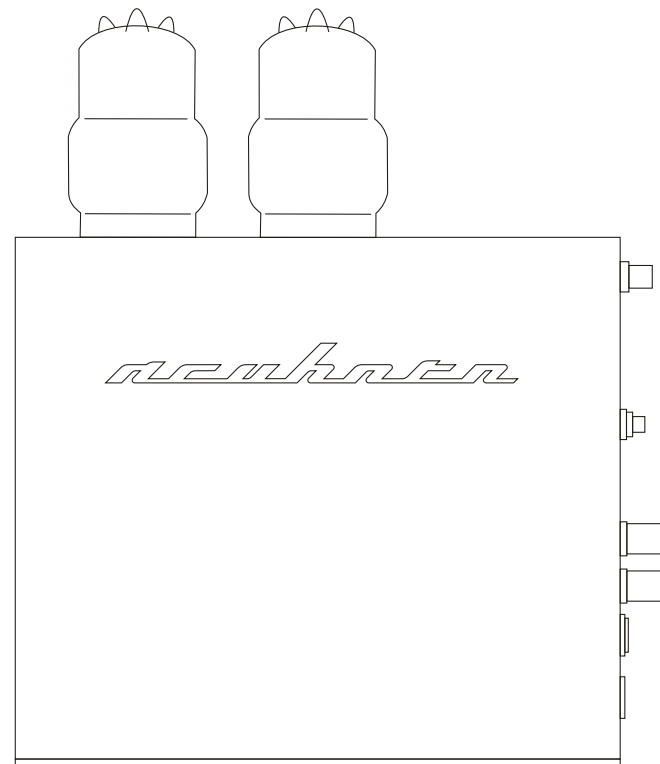
TERMINAL RHODIUM

WEIGHT 11 KG PIECE

DIMENSIONS W85 D320 H280 MM

## OUTPUT POWER SELECTION TABLE

SWITCH SPEAKER OUTPUT	SPEAKER LOAD IMPEDANCE	SPEAKER CONNECTION			
		STEREO	PARALLEL		SERIES
		STEREO	SWITCH MONO		STEREO
8	16	8,8V 4,8W	9,3V	5,3W	15,0V 14,1W
8	8	7,5V 7,0W	8,0V	8,0W	10,0V 12,5W
8	4	5,5V 7,6W	7,4V	13,7W	8,0V 16,0W
8	2	3,8V 7,0W	5,5V	15,1W	5,0V 12,5W
4	16	7,5V 3,5W	7,5V	3,5W	11,3V 7,9W
4	8	5,8V 4,1W	6,8V	5,7W	10,0V 12,5W
4	4	5,0V 6,3W	5,8V	8,3W	7,5V 14,1W
4	2	3,5V 6,1W	5,3V	13,8W	5,0V 12,5W



WOJCIECH UNTERSCHUETZ

KARTUSKA 243A

GDANSK 80-125

POLAND

PHONE 0048 737476346

WWW.ACUHORN.PL

EMAIL: INFO@ACUHORN.PL

## ACUHORN PRODUCT HISTORY

2003 ACUHORN SECCO145 CLASSIC

2004 ACUHORN ROSSO135 CLASSIC

2004 ACUHORN NERO125 CLASSIC AWARD 2004 IN HIGHFIDELITY

2005 ACUHORN GRAND BIANCORE155 CLASSIC

2006 ACUHORN ROSSO SUPERIORE175 CLASSIC

2007 ACUHORN ROSSO SUPERIORE175 IMPROVED AUDIO AWARD 2007 IN HIGHFIDELITY

2007 ACUHORN NERO125 IMPROVED AUDIO

2010 NOWE AUDIO MONO3.5 MONOBLOCK AMPLIFIER MOSFET AWARD 2010 IN HIGHFIDELITY

2012 ACUHORN GIOVANE85 SUPERLEGGERA

2012 ACUHORN NERO125 SUPERLEGGERA

2012 ACUHORN ROSSO SUPERIORE175 SUPERLEGGERA

2013 ACUHORN STEREO3 STEREO AMPLIFIER MOSFET

2013 ACUHORN MONO6 MONOBLOCK AMPLIFIER MOSFET

2014 ACUHORN S1 STEREO TUBE AMPLIFIER OTL

2014 ACUHORN S2 STEREO TUBE AMPLIFIER OTL

2014 ACUHORN M2 MONOBLOCK TUBE AMPLIFIER OTL

2014 ACUHORN M4 MONOBLOCK TUBE AMPLIFIER OTL

2016 ACUHORN 15

2016 ACUHORN TT TUBE AMPLIFIER