maintronic

service Manual

PAC3200 wireless Cardio Sound System

with TX1

www.maintronic.de

Safety instructions

RISK OF ELECTRIC SHOCK DO NOT OPEN UNIT!

ATTENTION

For your own safety, read all instructions and information in this manual before using the speakers. Keep this manual for future reference. All information and instructions in this manual must be observed completely and in detail. The manufactuer is not responsible for any direct or consequential damage that results from disregarding any information in this manual. Remove mains power cord if the unit is not used for a prolonged time.

DANGER

The interior of the Powermixer holds hazardous voltages. The unit must only be opened by qualified service personnel. To prevent electric shock, use only mains sockets with hidden, touch-proof contacts. Do not operate the Powermixer near water, e.g. swimming pools, bathtubs, washbasins etc.

WARNING

Servicing of these productunits must only be performed by qualified personnel. The unit should be serviced by qualified personnel when:

- objects have fallen or liquid has been spilled into the unit
- the unit has been exposed to rain
- the unit does not appear to operate normally or exhibits a
- marked change in performance
- the unit has been dropped or has a damage case

Do not operate the system in a humid environment. Do Not expose the unit to rain or snow.
Do not operate the unit near heat sources, e.g. radiators.
Always run the mains power cord in a way that it cannot be pinched by objects and that nobody can stumble over it. Avoid sharp bends or excessive tension on the mains cord, particularly at the cable exits.
Protect the Powermixer against object or liquid entry.

CE

BLEIFREI
RoHS-konforme Bauelemente

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
AVIS: RISQUÉ DE CHOC ELECTRIQUE. NE PAS OUVRIR.

1.1 PAC3200 Stereo Panel
with 40 step psychoacustic volume adjustment, free programable 1..8 CH, autoshut down , extrem robust headphone connection, power supply by C-safe-connection, wearless and water proofed, extremly Low power consumption

1.2 TX1 Unit
1 channel UHF transmitter unit with power supply

1.3 TX1-8 Unit
4 channel UHF transmitter unit with power supply

1.4 PAC mounting kit
PAC - Spez. mounting device for vertical mounting

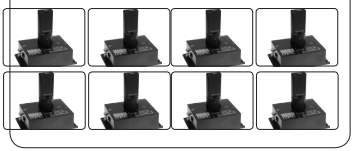
1.5 power supply unit for PAC3200 optional

input 230V ~, output 8V-/300mA, with temperature fuse, exit-sided
connecting cable 2m with connector RJ12

1.1

1.2

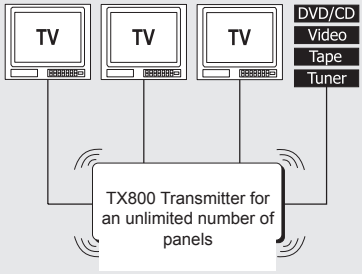
1.3

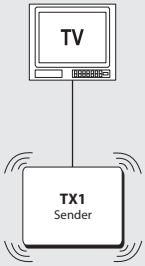


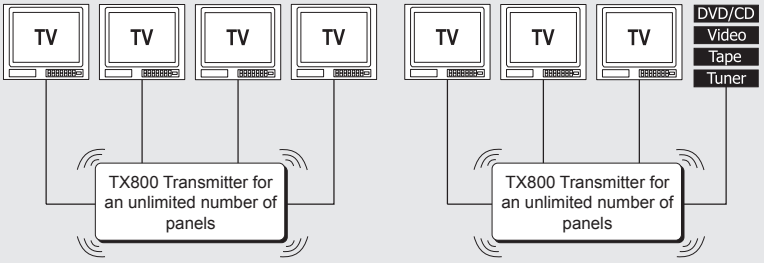
1.4

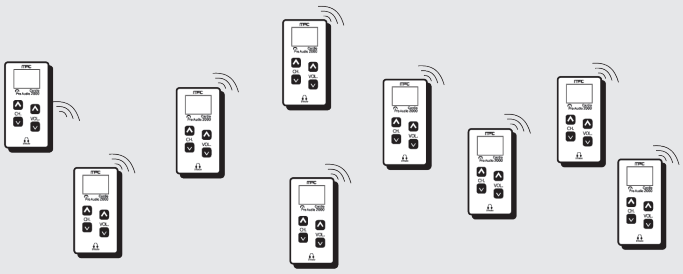
1.5

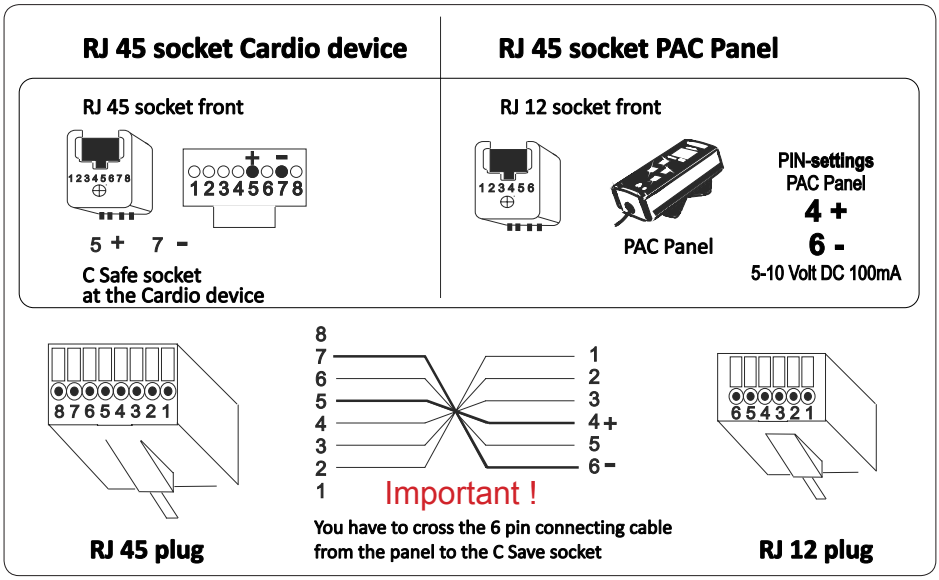
2 PAC3000 assembling layout





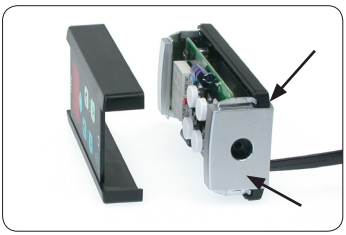


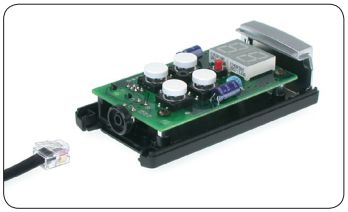




8.1 Take cover down carefully and put the cutted conductor into the disignated connection slot.

8.2 Finally fix the downwarded part of the chassis carefully and close the top cover again.





4 Installation TX1

4.1 adjust channel
open the cover, choose the channel with the turning switch
Connect transmitter to the TX1 module
Connect Chinch Cable to sound source (TV, radio or receiver)
Connect enclosed power supply unit to the TX1 module.

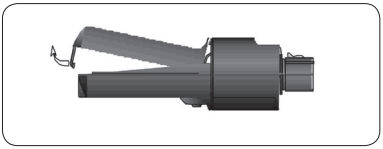
4.2 Turn sound source on and adjust it to the right volume.

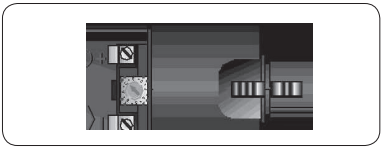
4.3 Turn PAC3000 panel on and plug headpone into channel1. (Set volume on 20)

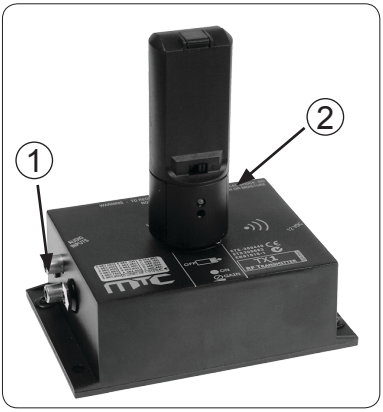
asdjust the gain on the transmitter with a screwdriver as long as the red LED lights up.

4.4 Location:
the min distance between two TX1 transmitter should be 1m.

Check the sound on the PAC panel. If you can hear distortions reduce the gain on the transmitter. (Turn it to the left side)







1. Chinchjack Audio input
2. Clip-Led

5.1 Connecting the antenna
please take attention that it will be vertical.
Connect Chinch Cable to sound source
(TV, radio or receiver)

5.2 Turn sound source on and adjust it to the right volume.

5.3 Turn PAC3000 panel on and plug headpone into channel1. (Set volume on 20)
asdjust the gain on the transmitter with a screwdriver in the way that the red LED lights up shortly .

Check the sound on the PAC panel. If you can hear distortions reduce the gain on the transmitter. (Turn it to the left side)

! important ! The TX 1-8 and the Panels are preprogrammed by the factory.. !

6 Mounting of client panels

5.1 Curve fastener carefully down with a screwdriver

5.2 Put fastener into device and push it carefully to the back, until it locks in

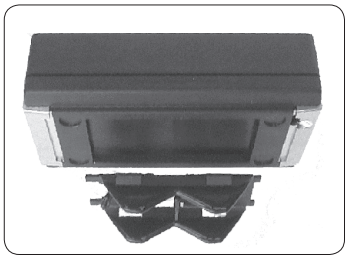
5.3 Suitable for 2 or 3 mounting straps.

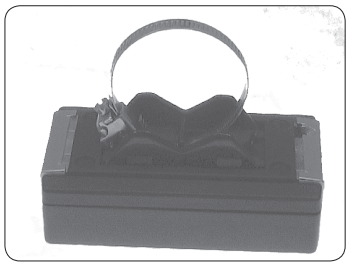
5.4 Mounting the metal device:
meassure the required length, which you need for fixing and add 50mm to the determined rate.

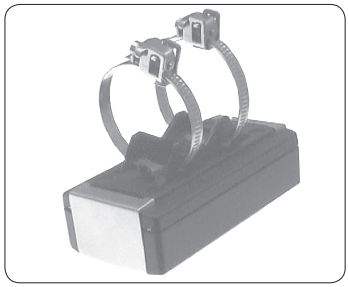
5.5 Put the end of the ribbon throw the screwdevice and bow it 25mm.

5.6 Put the the ribbon throw the clamp of the PAC 3000, then around the chosen mounting device and finally into the screwhead.

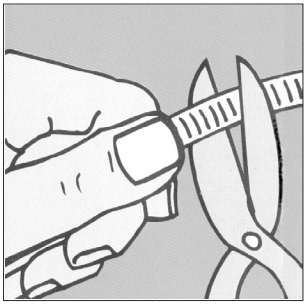
5.7 Tilt the screwtop in horizontal direction and fix the screw with a screwdriver.



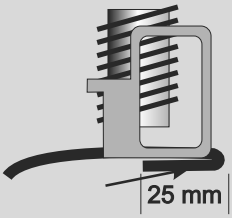


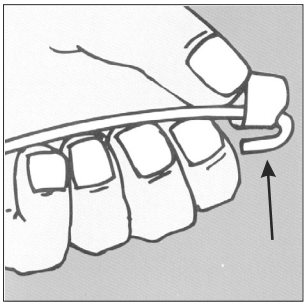


5.4 Mounting the metal device:
meassure the required length, which you need for fixing and add 50mm to the determined rate.

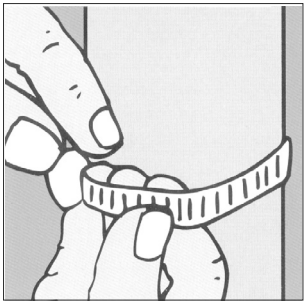


5.5 Put the end of the ribbon throw the screwdevice and bow it 25mm.

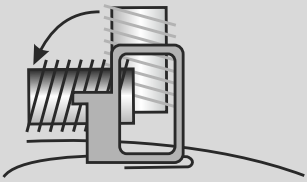


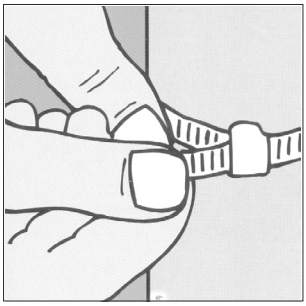


5.6. Put the the ribbon throw the clamp of the PAC 3000, then around the chosen mounting device and finally into the screwhead.



5.7 Tilt the screwtop in horizontal direction and fix the screw with a screwdriver.





7 Crimping the telephone Plug-in

A: knife A C B
B: isulation cutter
C: Crimping module

A:
Cut cable rectangular to crimping tool.

B:
let the cable touch the chosen part (distance holder), then move it carefully under the knife forward and backward.

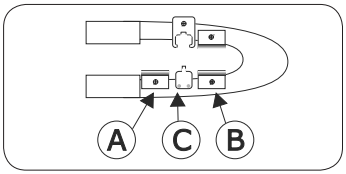
Pull cable away from the distance holder. During the whole activity push the pliers hard together.

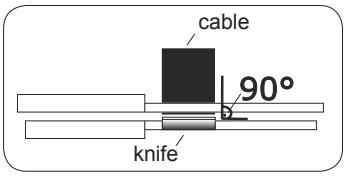
Important!
The unisolated cables must Be exactly rectangular.

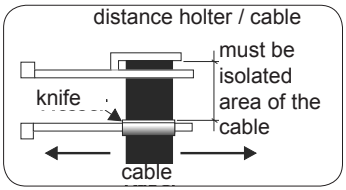
C:
Insert Rj12 conductor in the designated part of the crimping tool, the conductor locks in the chassis, during this the plier is still open.

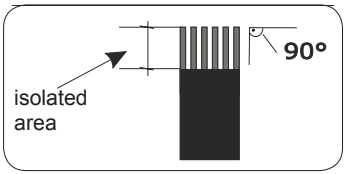
Push the ends of the cable tol the front side of the conductor, and squeeze the crimping tool.

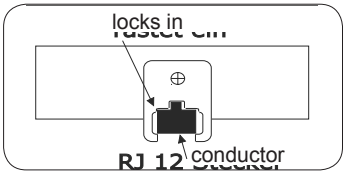
Important!
The function is only possible, when the cable ends touch the inner front end of the RJ 12 conductor.

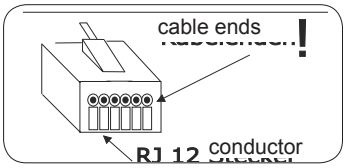












Frequency chart

PAC3200 Panel		Frequenzy	TX1-8	TX1
CH-Nr	Frequenzy-Nr.	MHz	CH-Nr.	CH-Nr.
1	4	863,150	1	0
2	9	863,400	2	1
3	14	863,650	3	2
4	19	863,900	4	3
5	25	864,200	5	4
6	30	864,450	6	5
7	35	864,700	7	6
8	40	864,950	8	7

Technical dates PAC3200:

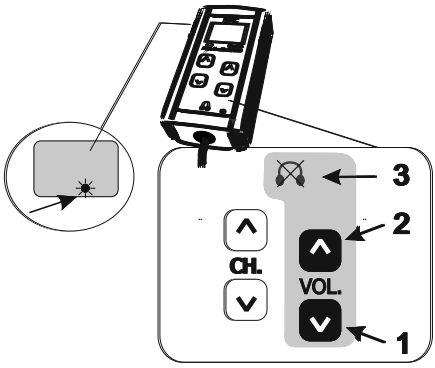
powercomsumption (max): 120 mA
DC range : min 5V max 9V DC
Distortion: <0,3%
connection: 3,5 mm jack

Technical dates TX1:

RF-emission (at 50 Ohm): > 20mW
NF-input resistance: > 2 kOhm
NF-input Level RMS: 15 mV 1,5V
DC Input: 12V 100 mA

9 Programming PAC3200 Panel

9.1 Starting programming:
Press the 3 signed buttons in the shown sequence and keep holding them. The number of saved programs is on the display (max32) and the point on the right side of the display lights up slowly (each second)



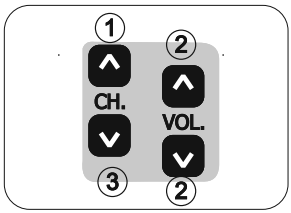
9.2 Set number of programs
Raise number of channels
Reduce number of channels

9.3 Set receiver channels to programs
Device must be in programming mode 9.1
Repeat step 9.1 until light blinks fast. (Every half second)

1. With Buttons ∧ ∨ select your program and wait for 2 seconds.

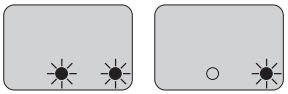
2. With Buttons ∧ ∨ you choose the channel

3. With the Button M you save.



9.4 Exit the programming mode
Press the 3 marked buttons in the shown sequence and hold them....

In STEREO mode 2 points light up.
In MONO mode 1 point lights up.



No guarantee for technical changes, errors and misprints!

maintronic

EU Konformitätserklärung

Für das folgend bezeichnete Erzeugnis

Audio Funkanlage Geräteklasse 2

PAC3000-TX1 SYSTEM UHF

wird hiermit bestätigt, dass es den Anforderungen entspricht, die in der Richtlinie des Rates zur Angleichung der Rechtsvorschriften der EU- Mitgliedstaaten über die elektromagnetische Verträglichkeit (2004/108/EG) und in der Niederspannungsrichtlinie 2006/95/EG festgelegt sind.
Zur Beurteilung des Erzeugnisses hinsichtlich elektromagnetischer Verträglichkeit sowie der Elektrischen Sicherheit wurden folgende Normen herangezogen:

- EN60065 :2002D
- EN300422-1/2V1.2
- EN301489-9 V1.4, EN301489-1 V1.8

Diese Erklärung wird verantwortlich für den Hersteller / Bevollmächtigter
Maintronic Electronic und Gerätebau GmbH Carl Zeiß Str. 10

D 97424 Schweinfurt, den 16.09.11 abgegeben durch

Josef Pfrang
maintronic GmbH

Documentnumber: 100208_01_B01_V0_03_EN