

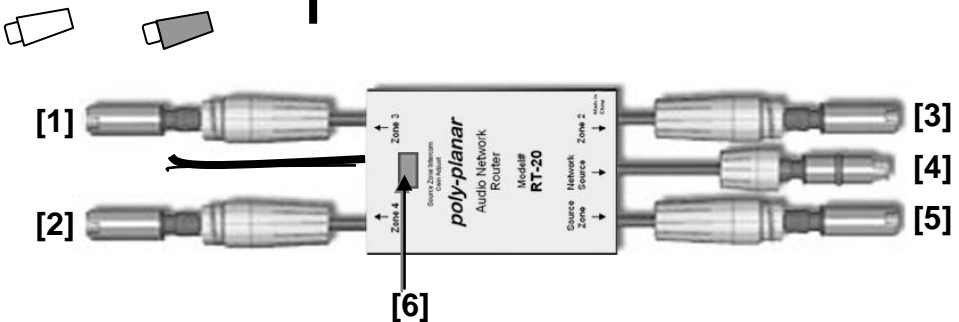
RT-20 Audio Network Router

Introduction:

The RT-20 is used to expand the audio network into multiple zones. Zones are different areas of the vessel such as cabins, salons, fly bridges etc. where distributed audio might be desired.

Features:

- Expands the distributed audio network up to four zones
- Local intercom gain control
- Water resistant, corrosion resistant enclosure



[1] Zone 3

[2] Zone 4

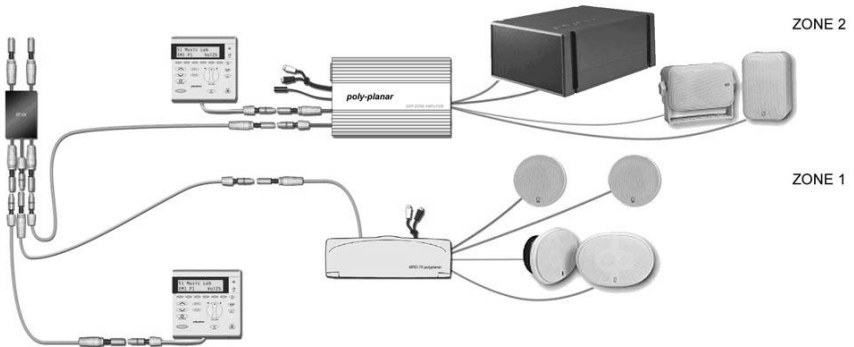
[3] Zone 2

[4] Network Source (MRD-70, XM module, etc.)

[5] RD-44 Control Panel for the MRD-70 Radio

[6] Intercom Gain Control

Connecting the RT-20 to a multi-zone audio system:



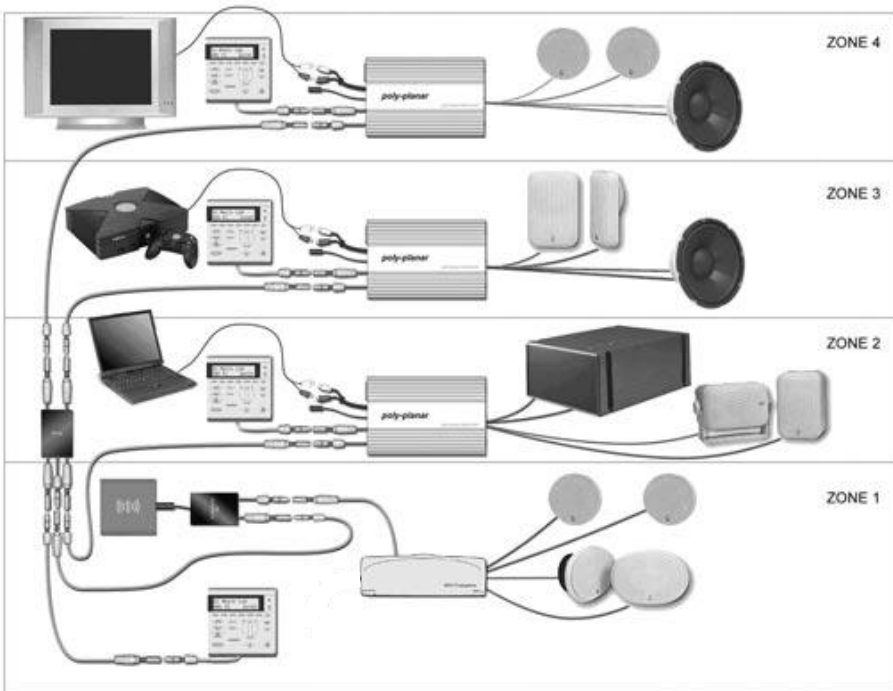
It is important to connect to the proper plugs!

1. The Network Source plug is the only male plug on the RT-20 and is connected to the MRD-70 radio, XM interface module or a future audio expansion module.
2. The RD-44 control panel for the MRD-70 radio must be connected to the plug marked "To Radio Control Panel".
3. Zone 2, 3 and 4 plugs are connected to RD-44 control panels and/or MZ-100 amplifiers in other zones of the vessel.

Setting the intercom gain control:

This adjustment is part of the intercom feature and will set the level of the master zone intercom.

- You will need a small screwdriver
- Peel back the clear protective tape over the gain adjust window
- If the gain for the RD-44 connected to the MRD-70 is too **low**, slowly rotate the gain control clockwise until acceptable. If you rotate the control too far, it could cause feedback (howling) through the speakers.
- If the gain for the RD-44 connected to the MRD-70 is too **high**, rotate the gain control counter-clockwise until acceptable.
- To help reduce feedback, do not point the local speakers at the RD-44 control panel.



Example four zone distributed audio system:

Note the XM radio expansion module connected between the **MRD-70** radio and the **RT-20** Router.

Specifications:

Operating Voltage	13.8V (10V – 16V) DC
Dimensions (approx. W/H/D)	105mm X 40mm X 120mm
	4.15 X 1.5 X 4.75 inches
Weight	15 oz (.425 Kg)

WARRANTY

Poly-Planar marine audio systems are warranted to be free of defects in materials and workmanship for a period of two years. Warranty is subject to proper installation and operation within published specifications. Poly-Planar will repair or replace, at its discretion, any unit returned prepaid to its factory and determined to be defective. Poly-Planar Inc. is not liable for consequential damages.