

Frequency selective, active Antenna Splitter with DVBT and FM broadcast amplifiers „easyDVBT“

Part No. A024
Manufacturer: Weatherdock AG, Am Weichselgarten 7, 91058 Erlangen, Germany

Topology:	3-way antenna splitter with one passive and two active pathes
Ports:	<ul style="list-style-type: none"> - port 1: VHF antenna IN/OUT - port 2: VHF IN/OUT (VHF-Radio, easySplit, etc.) - port 3: DVB-T OUT - port 4: FM-Radio OUT
Port sockets:	<ul style="list-style-type: none"> - port 1: BNC (unit will be delivered with a transition BNC male to SO239 female), 50 Ohm - port 2: BNC (unit will be delivered with a transition BNC male to SO239 female), 50 Ohm - port 3: BNC isolated, 75 Ohm - port 4: BNC, isolated, 50 Ohm
Frequency bands and signal transfer:	<p><u>DVBT: port 1 to port 3:</u></p> <ul style="list-style-type: none"> - frequency: 175 to 860 MHz - gain: - 175 to 190 MHz: > 16dB - 190 to 800 MHz: 22 to 25 dB - 800 to 860 MHz: > 15 dB <p><u>FM-Radio: port 1 to port 4:</u></p> <ul style="list-style-type: none"> - frequency: 80 to 108 MHz - gain: 15dB <p><u>VHF transfer: port 1 to port 2 and vice versa:</u></p> <ul style="list-style-type: none"> - frequency: 155 to 165 MHz - gain: > -1dB
Power supply:	<ul style="list-style-type: none"> - Operating Voltage: + 9 to + 28V - Operating Current: < 140mA - Polarity protection - Power supply is decoupled from Ship's Ground
Fuse:	built-in, self healing fuse, 200mA



power socket/cable:	<ul style="list-style-type: none"> - <u>socket:</u> - pin 1: battery plus - pin 2: battery minus - <u>cable:</u> - red: battery plus - black: battery minus
User Interface:	LED indicator for Power ON: green
Temperature range:	for use under deck, 0°C to 60°C
Mechanical data:	<ul style="list-style-type: none"> - overall size: 165 x 160 x 35 mm - weight: approx. 560gr net, approx. 900gr including packing
Approvals:	<ul style="list-style-type: none"> - CE/EN60945-2002 - FCC CFR47 part 15, sections 15.107 and 15.109 (Class B)

January 2008

Sketch:

