



# AMR30D

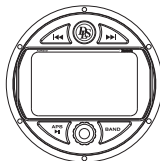
User manual

Marine media receiver



ALIVE





## Welcome to DLS!

Thank you for buying the DLS Alive AMR30D. For us, it's all about the sound experience. We care deeply about sound and construction quality. In order for your experience to be as optimal as possible, it is important that you read this manual, preferably before you start your installation. Keep the manual in a safe and accessible place for future reference.

Your media receiver must be installed correctly in order to work as intended. Make sure you have all necessary tools nearby before starting and that you are completely confident in how to proceed. If you have the slightest uncertainty; feel free to take the help of an experienced installer or a car audio dealer.

## Warranty

This receiver is covered by warranty, depending on the conditions in the country where it is sold. If the speaker is returned for service, please include the original dated receipt with the product.

## DECLARATION OF CONFORMITY

DLS Alive media receiver for vehicles are manufactured in accordance with the EU directive EEC 95/54 (72/245/ EEC) and are marked with the approval number. They are also marked in accordance with WEEE-directive 2012/19/EC and are also produced in accordance with EU RoHS directive 2015/863/EU.

# DLS ALIVE

## AMR30D

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www.dls.se

**Designed & Sound tuned in Sweden.**



# Safety

## ***General safety instructions***

This device is equipped with sensitive technology and should always be handled with care. Observe the following information in order to extend the service life of the device.

- The AMR30D is running on +12V and must be operated with the engine running, otherwise the vehicle/boat battery will be discharged.
- Please only use the original accessories supplied. Ensure that the device is adequately fastened using the installation accessories supplied.
- Make sure all connections are properly made with the correct polarity.
- In the event of a defect or malfunction, do not attempt to repair or open the device yourself. Repairs should only be carried out by trained and authorized personnel.
- Keep the device and its components away from excessive heat and excessive cold.
- Do not use strong chemical cleaners, solvents, or water to clean the device. Use a slightly damp cotton cloth with a soft surface.
- Replace a blown fuse only with a new one with the same values. However, before replacing a defective fuse, first check what the cause of the circuit is. If the fuse blows again, there is a malfunction in the device or the installation. In this case you should contact your authorized dealer.



# Included parts

**Included products:**

1pc AMR30D Media receiver

**Included in box:**

1pc Connection harness open ends

1pc USB extension cable

1pc Mounting bracket

2pcs Fixings screw, nut and washer

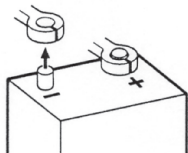
1pc Manual

# Pre installation

## ***Disconnect Battery***

Before you start the process of installing the media receiver, disconnect and secure the negative terminal from your battery/power source. This will prevent the risk of damaging yourself or the products.

Place the disconnected terminal in a secure and isolated location away from any possible connection belonging to the battery/power source system.





# Installation

## ***Mounting***

Follow the instructions below carefully to mount and install your new DLS media receiver. Double check so that the intended mounting location does not have any important components underneath that risk being damaged.

### **Step 1: Mounting location**

Find a suitable mounting location for the AMR30D. Make sure that there is enough space for installation. In order to avoid malfunctions, never mount the device near the motor.

### **Step 2: Mounting opening**

Cut a circular hole at the mounting location with a diameter of 90mm.

### **Step 3: Interconnection**

Connect all cables according to the **Connection Diagram** on page 6. Slide the stereo and the wiring, through the mounting opening you have made.

### **Step 4: Functional testing**

Before you complete the installation, you should carry out a function test. Start the device, browse through some of the menu options and test out some functions to make sure that everything works as intended.

### **Step 5: Fastening**

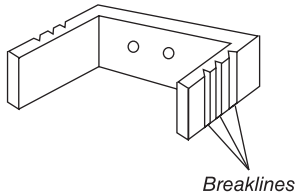
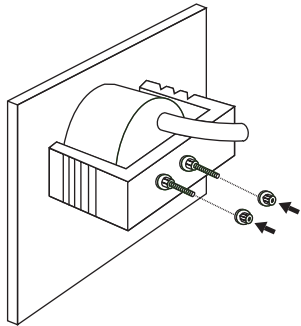
The AMR30D must now be fastened in the mounting location with the enclosed fixing screws and the mounting bracket that is included with the product. See the following page for drawings and more detailed instructions.



## Mounting

The mounting bracket needs to be installed from the inside, against the baffle in order to fix the device. When mounting, make sure that the device lies flat on the mounting surface. Use the two included enclosed nuts to secure the unit into place.

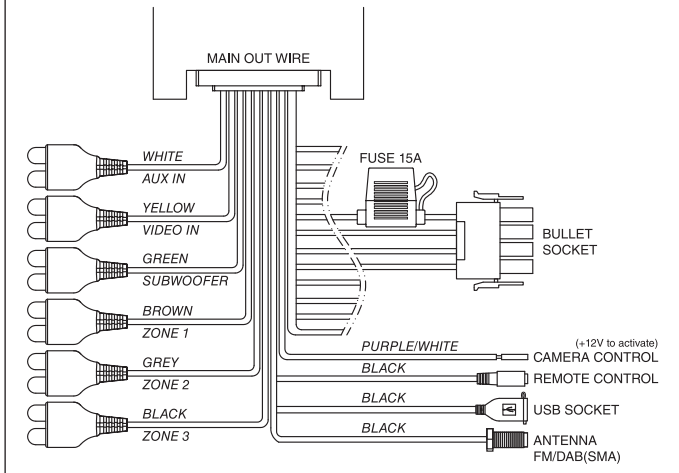
Make sure that the wiring harness and the connection cables are not crushed/damaged during assembly. If the mounting bracket is too long, you can shorten the bracket's length accordingly on both sides at the breaklines (see illustration).





# Connection

## Connection diagram

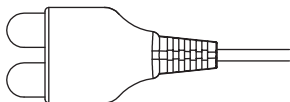


BULLET SOCKET		BULLET SOCKET FUNCTIONS				
No.	Colour	Function	No.	Colour	Function	
1	Red	ACC	7	Blue	EL. ANT	
2	White/B	Zone 1 L-	8	Green/B	Zone 2 L-	
3	White	Zone 1 L+	9	Green	Zone 2 L+	
4	Yellow	BAT +12V	10	Black	GND	
5	Grey/B	Zone 1 R-	11	Purple/B	Zone 2 R-	
6	Grey	Zone 1 R+	12	Purple	Zone 2 R+	

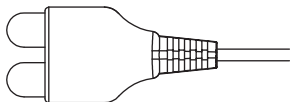




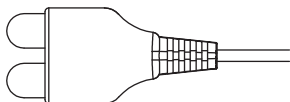
## **RCA connections**



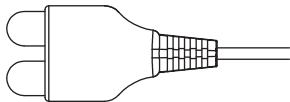
WHITE - Red RCA - Aux In (Right)  
WHITE - White RCA - Aux In (Left)



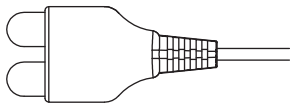
YELLOW - Brown RCA - Camera In  
YELLOW - Yellow RCA - Video In



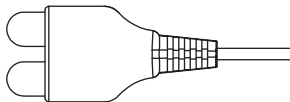
GREEN - Green RCA - Sub Out  
GREEN - Yellow RCA - Video Out



BROWN - Red RCA - Zone 1 (Right)  
BROWN - White RCA - Zone 1 (Left)



GREY - Red RCA - Zone 2 (Right)  
GREY - White RCA - Zone 2 (Left)



BLACK - Red RCA - Zone 3 (Right)  
BLACK - White RCA - Zone 3 (Left)



# Operation

## **Controls**

Below is a guide regarding what different functions the buttons and controls on the media receiver have. Please make sure that you understand the controls clearly and test them out.

**1: Mode button**

Use to access the main menu.

**2: Previous button**

Use to move backwards in list selections and/or playlist.

**3: Next button**

Use to move forward in list selections and/or playlist.

**4: APS, Play/Pause button**

Use to search for channels/stations and to play/pause music.

**5: BAND button**

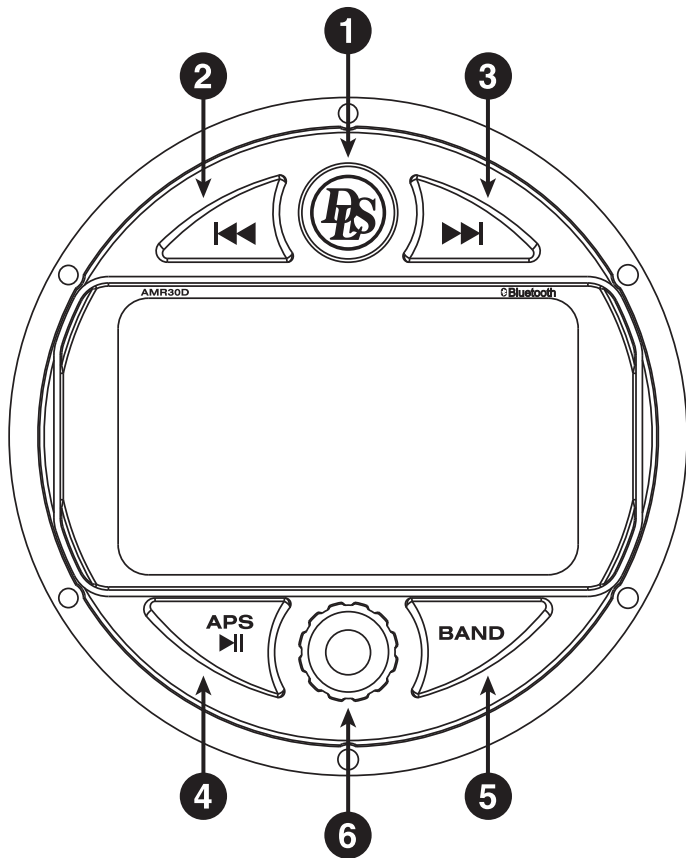
Use to exit folders/settings and to change channel/station.

**6: Power & volume knob**

Use to start the unit, to change the volume and to scroll through menus.

## **Turn on/off the unit**

To **turn on** the media receiver, press the *Power & volume knob* (6) for 2 seconds. To **turn off** the media receiver, press the *Power & volume knob* (6) for 3 seconds until the screen power down.





# Functions

## ***Volume***

Turn the *Power & volume knob* counterclockwise to decrease the volume, or turn it clockwise to increase the volume.

Press the *Power & volume knob* to enter the volume settings. In this menu you can change the volume in the different zones:

- **Main:** The main volume in the audio system
- **Zone 1:** Speaker A (e.g. front or rear) in the audio system\*
- **Zone 2:** Speaker B (e.g. front or rear) in the audio system\*
- **Zone 3:** Extra channel in the audio system
- **Sub-W:** Subwoofer in the audio system

\*Zone 1 and 2 are also connected to the media receiver's built-in amplifier with a power rating of 4x25Watt (RMS).

Press the volume button to cycle through the different channels (main/zone volumes) and choose which channel you want to adjust.

Turn the volume button, to adjust the volume of the selected channel.

To exit the volume settings menu, press the *Band button* or wait 4 seconds.



## Volume





# Functions

## Source

Press the *Mode button* (DLS logo) to enter the main menu. In the main menu you can browse between different sources and access the media receiver's settings. There are five different sources to choose from:

- AUX
- BT Music
- USB
- DAB
- FM radio

### AUX

Use an external source via an AUX cable to play audio/music, connect it to the AUX-input on the back of the stereo. Press the AUX selection in the menu.

### BT Music

Use an external source with a wireless Bluetooth connection to play audio/music. Press the Bluetooth selection in the menu to activate. When the BT Music icon is flashing pairing mode is activated and the media receiver is searching for a Bluetooth device to connect with. Locate the device named AMR30D in your smartphones Bluetooth settings and press it to pair & connect. To UNPAIR/REMOVE your Bluetooth device from the media receiver, enter the Bluetooth selection in the menu and press the *BAND button* for 2 seconds.

### USB

Use a USB flashdrive to play audio/music, put the flashdrive in the USB port on the back of the stereo. Press the USB selection in the menu. To change between different folders on the USB flashdrive, press the *BAND button*.

### DAB

Use the media receiver's built-in DAB radio to play audio/music. Press the DAB selection in the menu. Press the APS button to perform a full scan of available DAB stations in your vicinity. When the scan is complete, you can navigate between the found radio channels with the *Previous button* and the *Next button*. To select the station being shown on the display, press the *Next button* for 2 seconds.



## Source





# Functions

## Source

### FM radio

Use the media receiver's built-in radio to play audio/music. Press the FM RADIO selection in the menu. To search for the strongest radio channel signals in your vicinity, press the *APS, Play/Pause button* for 2 seconds. The 6 strongest radio channels will then be automatically saved as preset radio stations.

To change radio station, press the *Previous button* or *Next button* to browse between the preset radio stations. There are three preset libraries with 6 slots in each (FM1, FM2 & FM3). To change between the preset libraries, press the *BAND button*, or press the *Power & volume knob* to see all 18 channels.

To save a radio station that you have found, press the *BAND button* for 2 seconds and choose which preset number you want to give the radio station (1-18). Press *BAND button* for 2 seconds to confirm your choice and save the radio station on the designated preset number/slot, you will hear a BEEP sound as the radio station is saved. To go back to the menu settings, press the *BAND button*.

You can choose if the radio channel search function should find channels automatically or manually. Press the *Next button* for 1 second, and then press the *Next button* once more. The menu option for "Seek mode" should now be visible on the screen. Choose between the options Auto or Manual by turning the *Power & volume knob*. Press the *Power & volume knob* to confirm your choice.

### Camera in

Use the Camera control connection to connect a camera to the AMR30D media receiver. Connecting a camera to the receiver can be useful if you want a better view of the front or rear of the vehicle/boat. This function is activated by putting a +12V DC on the purple/white cable in the stereo harness (see page 6).





## Source





# Functions

## Settings

Press the *Mode button* (DLS logo) to enter the main menu. In the main menu you can browse between different sources and access the media receiver's settings. There are eleven different setting categories:

- Language
- Audio
- Radio
- Area
- Display
- Clock
- LED
- Light
- Wallpaper
- Factory Restore
- About

Use the *Power & volume knob* to browse between the different settings, press the *Power & volume knob* to select the marked setting. Browse through the setting's options with the *Power & volume knob*. When you have found the option you want to adjust, press the *Power & volume knob* to select it and turn the knob to adjust the setting. Press the *Power & volume knob* to confirm your adjustment to the setting. To exit the settings menu, press the *BAND button*.

### Language

Use the setting to change what language the media receiver's display should use. You can choose between the following four languages: English, Spanish, Portuguese or Chinese.



## Settings



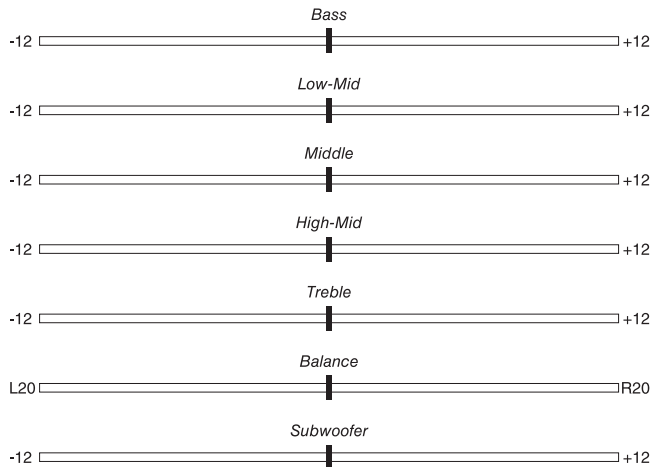


# Functions

## Settings

### Audio

Use the setting to adjust the audio profile to your preference. You can adjust the audio profile by using the following settings:



You can also edit the EQ settings. You can use the pre-set EQ settings, that come in five different styles: Flat, PoP, Classic, Rock or Jazz, or you can use the EQ User setting. The User EQ bands are adjustable from -12 to +12 at the following bands: 64Hz, 150Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 10kHz and 16kHz.



## Settings





# Functions

## Settings

### Radio Area

Use the setting to select which geographical area you are located in. You can choose between the following nine areas: Europe, East Europe, North America, South America, Brazil, Asia, Southeast Asia, Japan or Australia.

### Display

Use the setting to adjust the brightness of the media receiver's display. You can adjust the brightness level 0-10.

### Clock

Use the setting to adjust the time and the time format shown on the display. Choose if you want to use a 12H or 24H format.

### LED light

Use the setting to change what colour you want the media receiver's LED-lights to glow in. You can choose between the following eight colour settings: White, Purple, Yellow, Cyan, Blue, Red, Green or Auto.

### Wallpaper

Use the setting to change what background you want the media receiver's display to have. You can choose between the following three wallpapers: Grey, Black or Blue/Black.

### Factory Restore

Use the setting if you need to restore the media receiver to its original factory settings. Select this setting and you will be asked the question "Are you sure want to restore factory settings?" use the *Power & volume knob* to choose Yes or No, press the *Power & volume knob* to confirm choice.

### About

In this setting you can see what software versions your media receiver has installed. You can select either MCU SW VERSION (audio) or MPEG SW VERSION (video) to see what the software version is called.



# Accessories

## Remote control

The REM30 remote control gives you the option to control the media receiver from another location. In the packaging of the REM30 remote control, a 5 meter remote cable is included. **NOTE!** The remote control is sold separately from the AMR30D media receiver.

### 1: Previous button

Use to move backwards in list selections and/or playlist.

### 2: Next button

Use to move forward in list selections and/or playlist.

### 3: MODE, Play/Pause button

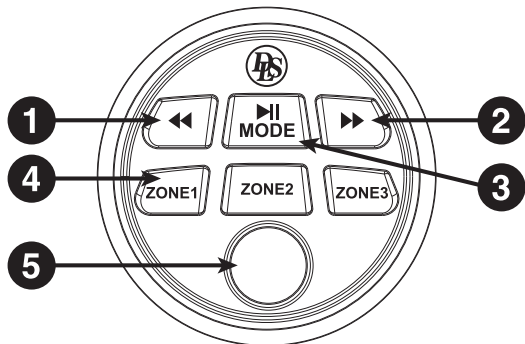
Use to switch mode (short press) and to play/pause music (long press).

### 4: ZONE1, ZONE2, ZONE3 buttons

Use to change the volume of a specific zone, press to control zone sublevel.

### 5: Volume knob

Use to change the volume for all zones or each zone separately.





# Specifications

## General

Art. no	OH-AMR30D
Power source	11V (11-16V)
Grounding	Negative type
Fuse rating	15A
Operational temp.	-10°C to +60°C
Display	3" color TFT
Illuminated buttons	7 colours
IP class	IP66
24-bit DAC	Yes
Firmware updates	Via USB-port
Dimmer settings	Yes
Clock	Yes
Memory backup	Yes
Weight	1200g
Remote control	Optional
Power antenna lead	+12V to external amp. or electric antenna

## AUX

Freq. response	20Hz-20kHz ( $\pm$ 3dB)
Input MAX voltage	1000mV
Input impedance	30kOhm

## Video

Compatible format	AVI, DIVX, MKV, MPEG, WMV
Video in sources	USB Video in composite Camera in Composite
Video out sources	Video out composite

## USB

USB standard	USB 2.0
File system	FAT16/32
MAX supply current	1A
MP3 decode	AAC1 MP3, WAV, WMA

## Bluetooth

Version	BT 5.0
MAX com. range	Line of sight, ~10m
Profile	A2DP, AVRCP1.5
Freq. response	2.400 - 2.484 MHz

## FM radio

Freq. response	87.5-108MHz
Tuner presets FM	18
Area	Europe, East Europe, North America, Brazil, South America, Asia, Southeast Asia, Japan, Australia

## DAB radio

Freq. response (5A-13F)	174.928-239.2MHz
Reception	95 dBm





## Audio

Art. no OH-AMR30D

Freq. response 20Hz-20kHz

MAX output power 4x50W

Full bandwidth power 4x25W  
(at less than 1% THD)

Speaker impedance 4-8 Ohm

RCA Output

Zone 1 2V RMS

Zone 2 2V RMS

Zone 3 2V RMS

Sub (mono) 2V RMS

Preset EQ Flat, Pop, Classic,  
Rock, Jazz, User

User EQ band 64Hz, 150Hz, 250Hz,  
-12dB to +12dB 500Hz, 1kHz, 2kHz,  
(1dB/step) 4kHz, 8kHz, 10kHz,  
16kHz,

Subwoofer crossover 80Hz, 120Hz, 160Hz  
frequencies

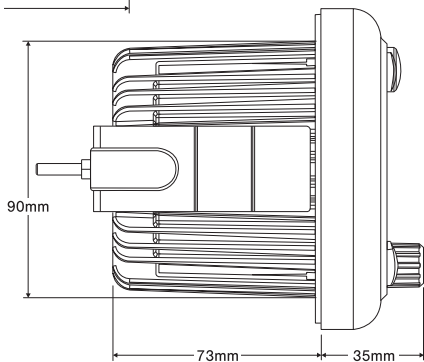
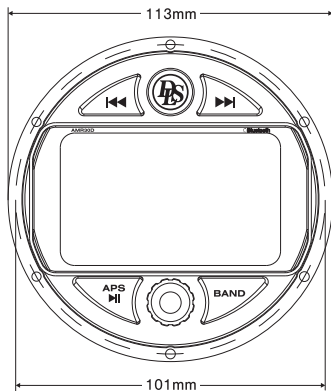
Controls Bass, Low-Mid,  
-12dB to +12dB Middle, High-Mid,  
(1dB/step) Treble

Balance L20 to R20



# Specifications

## Dimensions





## Product markings



The crossed-out wheeie bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.



This product has been granted with the CE certification mark to show that the product follows the health, safety, and environmental protection standards for products sold within the European Economic Area (EEA).



DLS products complies with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the product should not be disposed of as household waste. Alternative arrangements may apply in other jurisdictions.



DLS is a global partner of the European Mobile Media Association, an organisation that focus on promoting the custom made mobile media installations to consumers.

We follow a policy of continuous advancement in development. For this reason all or part of specifications & designs may be changed without prior notice. We reserve for possible typos, factual or numeric errors that may have been printed on any products, package designs, user manuals and/or other included accessories.



ALIVE