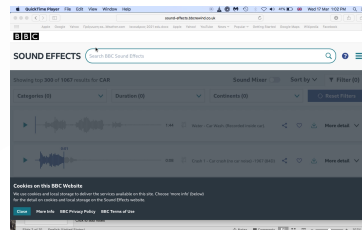


# Μικρόφωνα & Πλατφόρμες ήχων Τηλέμαχος Μούσας



# Τύποι μικροφώνων με βάση την αρχή λειτουργίας τους.

- Δυναμικά μικρόφωνα
- Πυκνωτικά μικρόφωνα
- Πιεζοηλεκτρικά μικρόφωνα
- Μικρόφωνα άνθρακα (παλαιές συσκευές τηλεφώνου)

Αξίζει να αναφερθεί ότι τα μικρόφωνα χωρίζονται σε δυο βασικές κατηγορίες ανάλογα με την πλευρά από την οποία είναι τοποθετημένη η κάψα του μικροφώνου σε σχέση με το σώμα του. Βάσει αυτού του χαρακτηριστικού, έχουμε μικρόφωνα front address (εμπρόσθιας απεύθυνσης) και side address (πλάγιας απεύθυνσης).



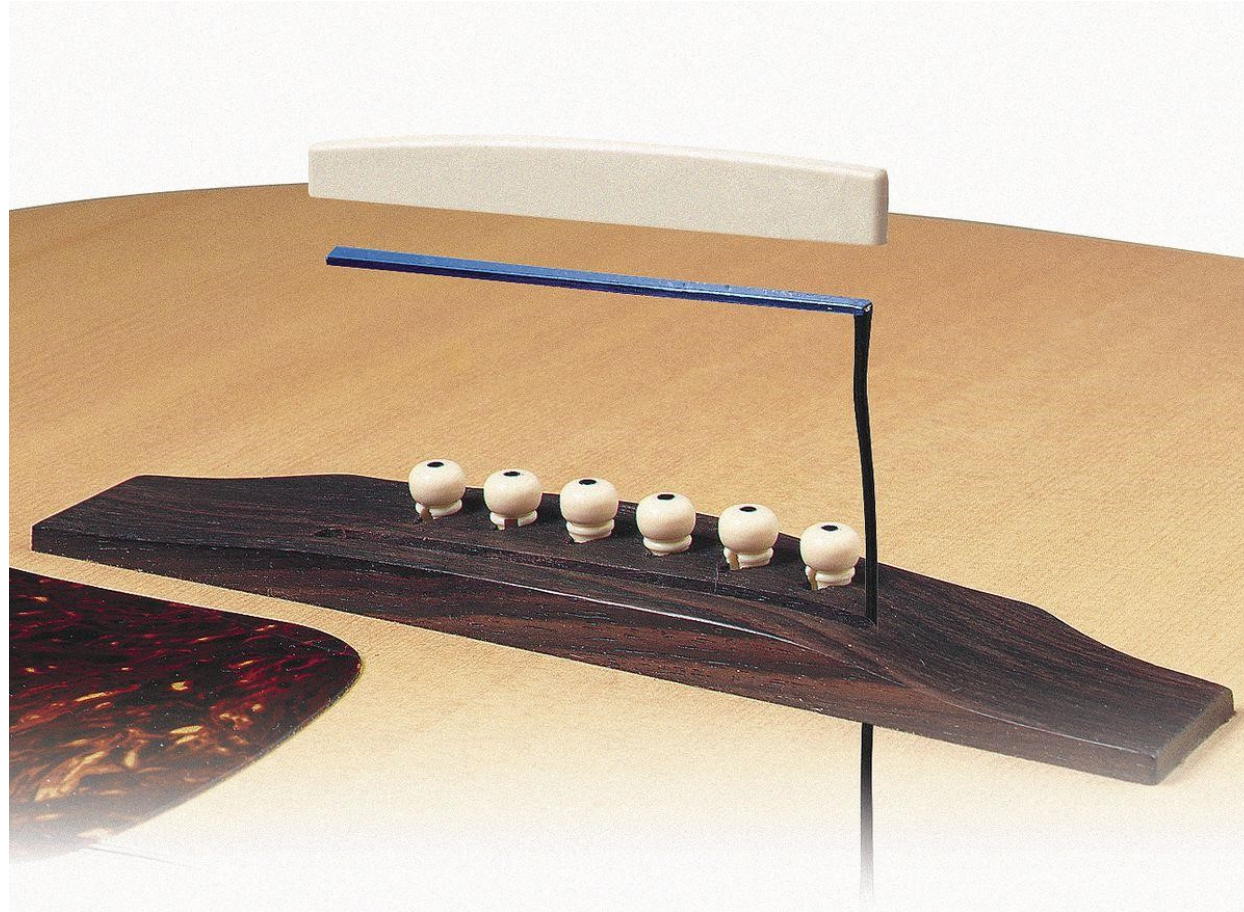
Μικρόφωνο εμπρόσθιας απεύθυνσης  
(δυναμικό)



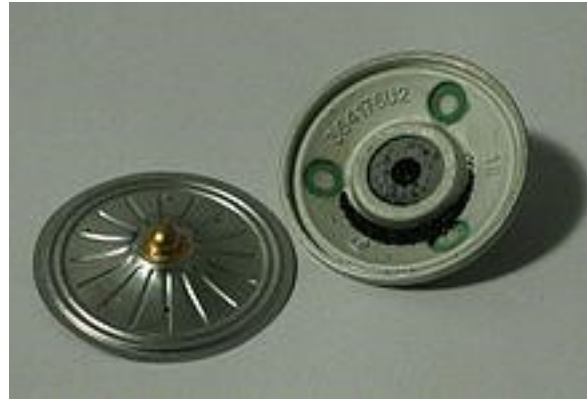
# Μικρόφωνο πλάγιας απεύθυνσης (πυκνωτικό)



# Πιεζοηλεκτρικό μικρόφωνο (για ακουστικά μουσικά όργανα)



# Μικρόφωνο άνθρακα

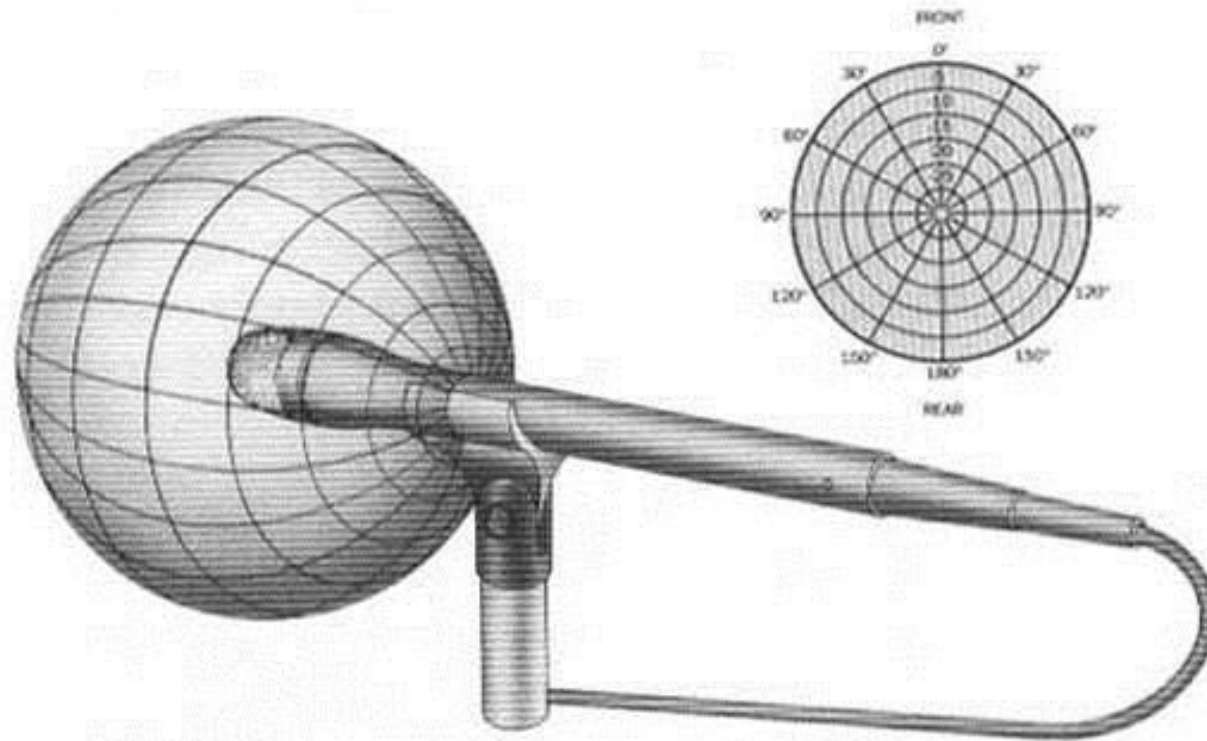


# Κατηγορίες μικροφώνων με βάση την κατευθυντικότητα τους

- Παντοκατευθυντικά ή omni-directional (omni)
- Δικατευθυντικά, διπολικά ή bi-directional, bi-polar (figure of 8)
- Μονοκατευθυντικά ή uni-directional
- Άκρως κατευθυντικά ή ultra-directional
- Πολλαπλών πολικών διαγραμμάτων ή multiple polar patterns



# Παντοκατευθυντικά ή omni-directional (omni)



omnidirectional

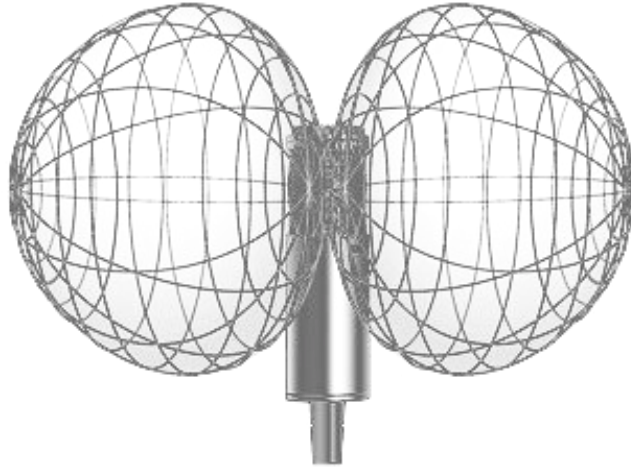
# Headset μικρόφωνο (πυκνωτικό omni)



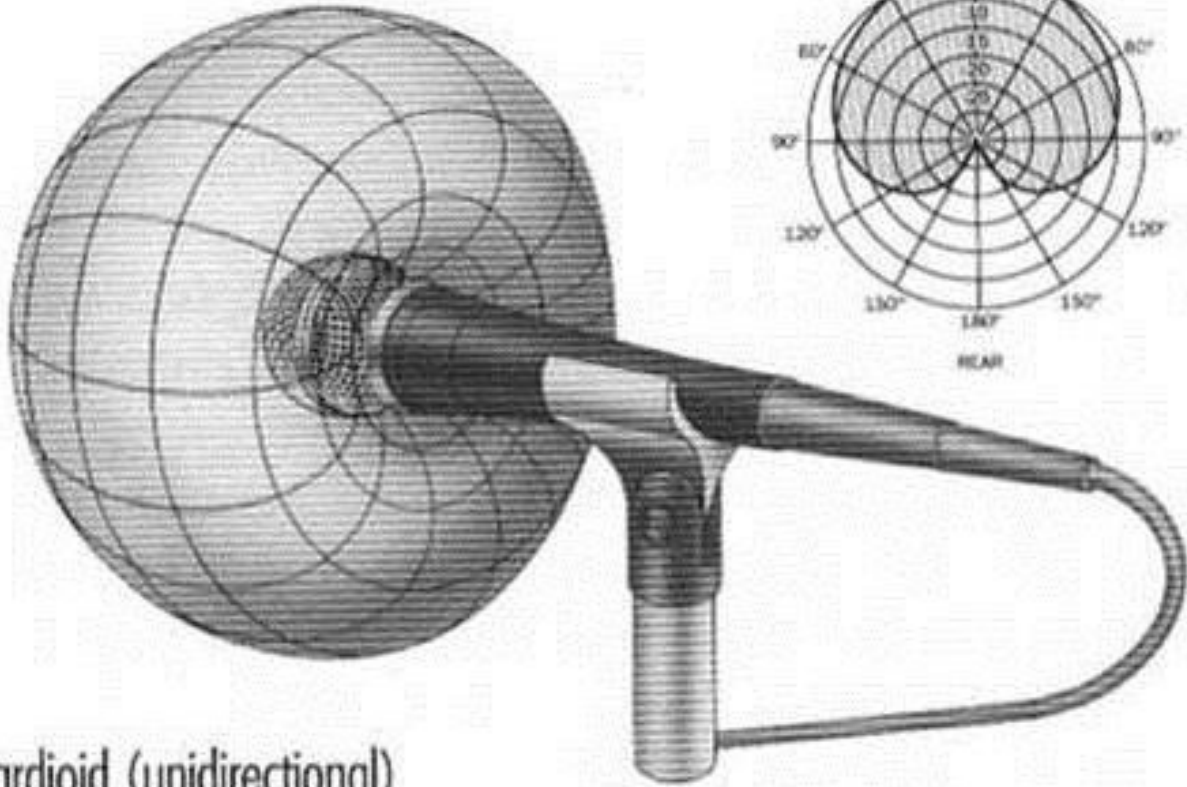
Lavalier microphone (πέτου) Συνήθως πυκνωτικά  
omni



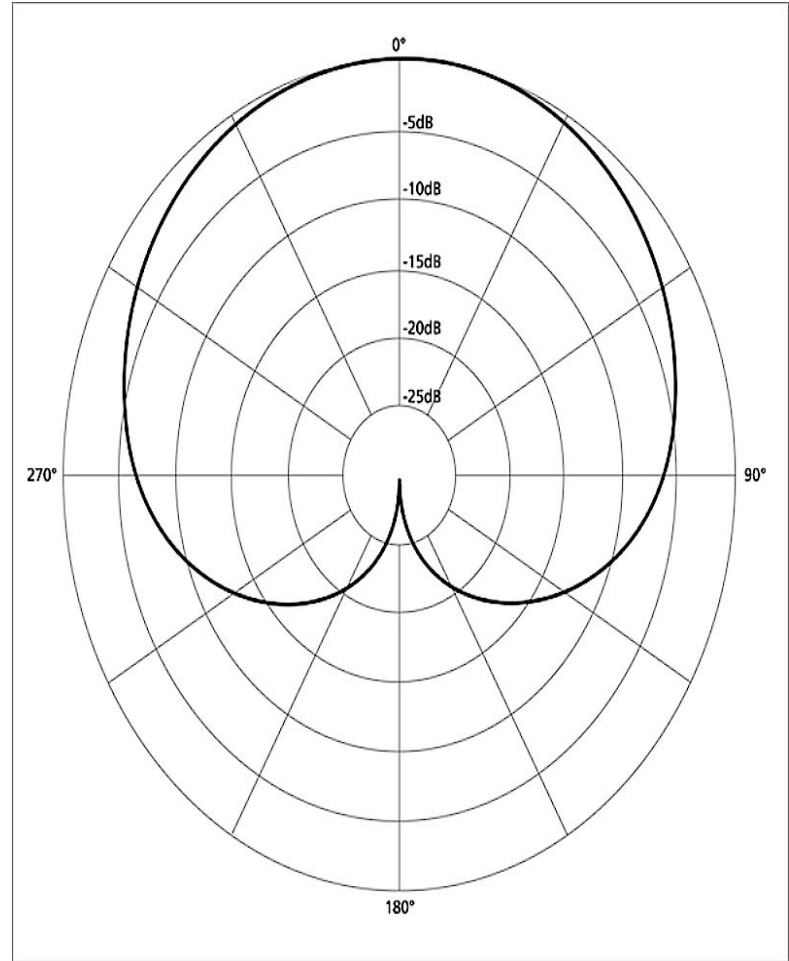
Δικατευθυντικά, διπολικά ή bi-directional, bi-polar (figure of 8)



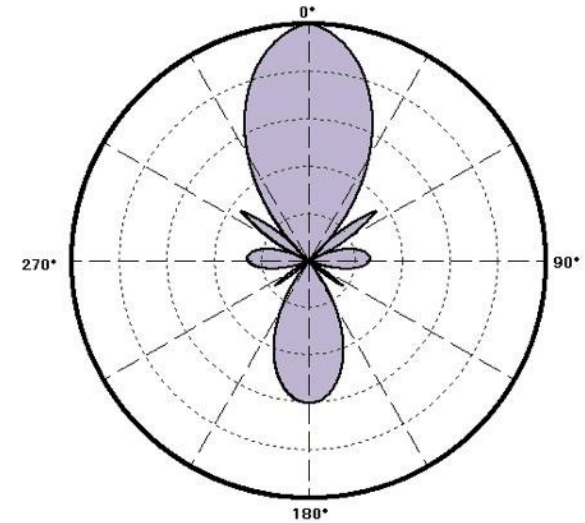
# Μονοκατευθυντικά ή uni-directional (καρδιοειδές)



cardioid (unidirectional)



# Super-Ultra Cardioid (Shotgun) Άκρως κατευθυντικό



# Επιλογέας πολικών διαγραμμάτων ( multiple polar patterns )



# Εξαρτήματα Μικροφώνων





# Shock mount (αντικραδασμική βάση)



# Pop filter (αντιανέμιο)



# Boom



# Αντιανέμια



# Ήχος στα γυρίσματα



# Απαραίτητα τα Ακουστικά



Πατέντα, το σκουπόξυλο... ως boom



# Συνδυασμός πηγών ήχου

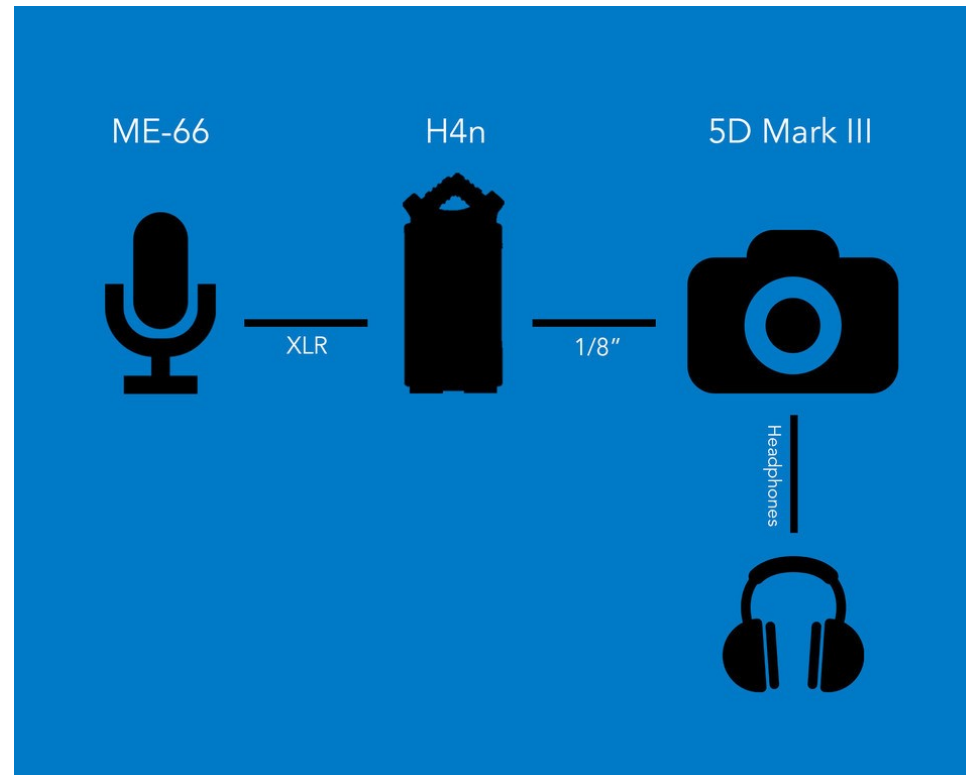




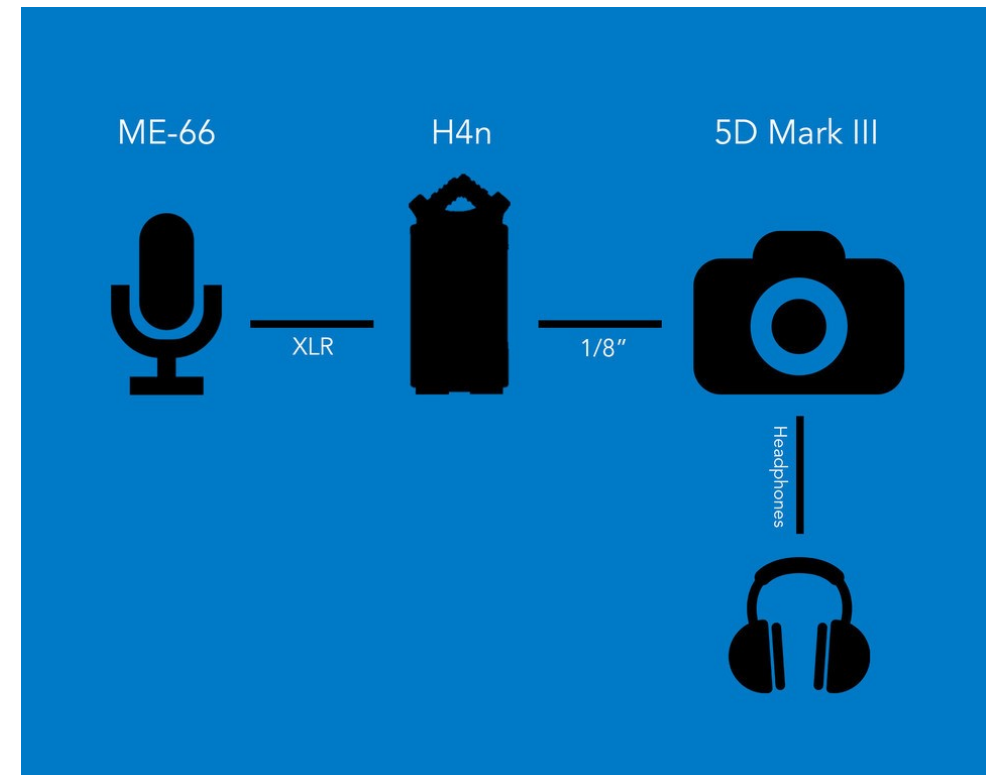
# Στερεοφωνικό μικρόφωνο & συσκευή εξωτερικής στερεοφωνικής ηχογράφησης



# Ηχογράφηση Πεδίου



# Κλακέτα και εξωτερικές πηγές ήχου



# Πλατφορμες με δείγματα ήχου / μουσικής

1. <https://freesound.org/home/>
2. <http://www.openmusicarchive.org>
3. <https://www.freemusicarchive.org>
4. <https://sound-effects.bbcrewind.co.uk>

# FREE SOUND

- <https://freesound.org/home/>





searchsounds

# Pack: Car sounds by vintage2005

## Pack info

- None
- Pack created on: **May 24, 2015, 11:29 p.m.**
- Number of sounds: **2**
- Number of downloads: **3**

Downloaded 3 times [Download](#)

See [more packs](#) by vintage2005

2 sounds

**Car turn signal and engine** ★★★★★ **vintage2005**  
 May 24th, 2015  
 92 downloads  
 0 comments

There are 2 recordings of signaling and U-Turn, trying to maintain consistent engine sound. Each set has several seconds of ...

automobile turn-signal driving car

**Car wheel grips** ★★★★★ **vintage2005**  
 May 24th, 2015  
 192 downloads  
 0 comments

Car interior. The engine is off, so the sounds can be used cleanly with other engine noise. Several one handed, ...

grip car sounds hand

# openmusicarchive

The screenshot shows a Safari browser window displaying the Open Music Archive website. The browser's address bar shows the URL `openmusicarchive.org`. The website's header includes the Open Music Archive logo and navigation links for About, Search, Projects, FAQ, Browse, and Contact. The main content area features a red heading "Open Music Archive" followed by a descriptive paragraph. Below this, there are three main sections: a SoundCloud player for "Barragan Sound System...", a "Search" section with a search box and "Track Title" dropdown, and a "Browse" section with a list of tags. A "Projects" section with an image of a record collection is also visible. The browser's status bar at the bottom indicates "Slide 2 of 8" and "English (United States)".

**Open Music Archive**

Open Music Archive is a collaborative project, initiated by artists [Eileen Simpson](#) and [Ben White](#), to source, digitise and distribute out-of-copyright sound recordings. The archive distributes these recordings freely, forms a site of exchange, and is a vehicle for [future collaborations and distributed projects](#).

**Search**

Search and download recordings from the archive

Track Title  Search

**Browse**

Use tags to browse the archive and find recordings.

[1920s](#) / [1926](#) / [1927](#) / [1928](#) / [1929](#) / [ATL 2067](#) / [Atlanta](#) / [banjo](#) / [Beat](#) / [blues](#) / [british music hall](#) / [Camden, NJ](#) / [charlie poole](#) / [Chicago](#) / [Clara Smith](#) / [cornet](#) / [country](#) / [dallas](#) / [dance lessons](#) / [death](#) / [Diamond Disc](#) / [Don't go 'way nobody](#) /

**Projects**

# FREE MUSIC ARCHIVE

The screenshot shows a Safari browser window displaying the Free Music Archive website. The address bar shows [freemusicarchive.org](http://freemusicarchive.org). The page title is "Free Music Archive: B-film Ltd - Exerpt Ambiance".

The main content area features the album "Exerpt Ambiance" by B-film Ltd. It includes an album description with a cover image titled "Live at My House" and a "Song" section for track "02. B-film Ltd - Exerpt Ambiance 00:03:30".

**Album Description:** The cover art shows a person in a dark room looking at a large screen displaying a bar chart. The text "LTD" and "Live at My House" are visible on the cover.

**Song Information:**

- Track Info:** BIT RATE: 320000; GENRES: Electronic, Electroacoustic, Dubstep
- Statistics:** UPLOADED: 01/23/2010; LISTENS: 1487; STARRED: 2; DOWNLOADS: 2704
- Actions:** VIEW ALBUM PAGE, VIEW ARTIST PAGE
- Licensing:** CC BY-NC-SA (Creative Commons Attribution-NonCommercial-Share Alike 3.0 United States License)

**Player Interface:** The bottom of the page features a music player with a play button, a progress bar at 0:26 / 3:30, the track name "Exerpt Ambiance" by B-film Ltd, and a menu icon.

**Page Footer:** Slide 2 of 9, English (United States), Notes, Comments, 100% zoom.



# Sound-effects.bbcrewind.co.uk

The screenshot shows a web browser window displaying the BBC Sound Effects website. The browser's address bar shows the URL `sound-effects.bbcrewind.co.uk`. The page features the BBC logo and a search bar with the text "Search BBC Sound Effects". Below the search bar, it indicates "Showing top 300 of 1067 results for CAR". The interface includes a "Sound Mixer" toggle, "Sort by" options, and "Filter (0)" options. There are three filter categories: "Categories (0)", "Duration (0)", and "Continents (0)", each with a dropdown arrow. A "Reset Filters" button is also present. The search results list two items:

- 1:44 Water - Car Wash. (Recorded inside car). Includes a play button, a waveform, and a "More detail" link.
- 0:08 Crash 1 - Car crash (no car noise) -1967 (84D). Includes a play button, a waveform, and a "More detail" link.

At the bottom of the page, there is a "Cookies on this BBC Website" notice with a "Close" button and links to "More Info", "BBC Privacy Policy", and "BBC Terms of Use". The browser's status bar at the very bottom shows "Slide 2 of 10", "English (United States)", and a zoom level of "102%".



## Tutorial "Ο ήχος" - "The sound"

- <http://www.i-create.gr/index.php/item/2016-02-09-11-19-56/48-tutorial-the-sound>
- <https://youtu.be/a1PxBeB5Lr8>

# ΚΑΛΕΣ ΗΧΟΓΡΑΦΗΣΕΙΣ!

