



SPL

Acústica Ambiental s.l

MAILSHOT ABOUT THE SOUND LIMITERS

With the arrival of Easter and Summer 2015 season, we want to inform that in order to avoid penalties, you may update and know the sound requirements and regulations. SO IS VERY IMPORTANT THAT YOU READ THIS CIRCULAR.

All local or terraces that have a phonic emission source (Stereo, speakers, loudspeakers, TV, etc.) able to produce more than 65dBA outside and more than 75dBA inside must install a limiter sound whose characteristics are shown in Benidorm Municipal Ordinance No. 3

Limiters must register equivalent levels in the room, besides should make spectrally limiting intervening in the entire sound reproduction chain. They will have a memory of all recordings and incidents and manipulations at least 1 year. Those belonging to group 2 (special categories, with background music bars, salons Acts, Pubs, Clubs, Singer Café, Café Concert and others) also must be connected to a monitoring system linked telematically with local police.

The limit should be reviewed 1x per year by an authorized technician of the city of Benidorm, who should submit a report (called VALI) and seal the maintenance book. In case of failure the local shall cease musical issuance until it is repaired or replaced it. You must notify the police and the technician and if the failure extends over 24H, musical emission should stop from 00: 00H.

Models that are currently operating without complying with the rules will receive a period of change within the visit of the officials responsible for verification of limiting equipment, and will have a certain time to regularize the situation, but the music ceased broadcasting until it is remedied the problem.

The models that are currently out of regulations:

GROUP 1 AND 2 (ALL LOCAL, bars, cafes, restaurants, cinemas, theaters, hotels)

CESVA LCA-02 (No performs spectral limitation, memory only last 3 months)

MRC audio MD500 / MD400

(No performs spectral limitation, and lacks the approval will only be valid for premises without background music)

GROUP 2 (Clubs, Halls, Pubs, karaoke)

ECUDAP 50S (No possibility of sending data)

ECUDAP 50SR (System transmission via GSM modem. Obsolete)

The models currently meet the requirements of the standard are:

GROUP 1

ECUDAP 50S (With microphone Registrar and relays in power, and updated clock)

ECUDAP 50SR (With microphone Registrar and relays in power, and updated clock)

ECUDAP BASIS 50SR

ECUDAP XBASIC 50SR

ECUDAP WATCHDOG 50SR

CAP21 DBELCTRONICS BASIC

ADVANCED CA21 DBELECTRONICS

MrcAudio EqLimit

GROUP 2

Dbelectronics CAP21 with MODEM Ethernet, wiffi or GPRS / 2g / 3g / 4g

Ecdap WatchDog with Ethernet modem or GPRS

Ecdap Xbasis with display / modem Ethernet.

AS THE VALI IS AN OFFICIAL DOCUMENT, ANY VALI THAT DOESNT ACCOMPLISH THE REQUIREMENTS WILL BE ACCEPTED.



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Obsolete models:

ECUDAP LIMITERS have a code that makes them unique and brand traceability, which form two letters followed by six numbers, and is located on the back of it.

XBXXXXXX
WDXXXXXX

This code also identifies the date of manufacture and thus if the equipment is obsolete or not, since these limiting software has an expiration date, any code limiter that does not begin with these two letters XB and WD currently be obsolete before the 2008.

Obsolete teams are teams that currently repair is dependent on the existence of components in stock by the Manufacturer, also these devices suffer from a delay in its internal clock which makes after several years is the time difference of several hours and cutting the time it takes music before or after the scheduled time.

LIMITING THE OLD SOUND CESVA perform limitation by sound pressure through the registrar and spectrally microphone for audio line, regardless of the levels of the same. Thereby failing to comply with the rules of noises Benidorm.

LIMIT ALL SOUND must be installed and verified a recording microphone ECUDAP 50S models which were originally without recording microphone and are operating at this time, may request the installation and calibration microphone on your device.

How to put music on your local without Licence Musical Surroundings

A business license (for example, a bar, restaurant, cafeteria), processed without musical environment, but want to put music, or television

With Law 7/2002 for the Prevention of noise pollution, you can not install any team playing music (be it a stereo, a computer with speakers or TV ...), while not in possession of a license with Background music . But get a license such as a bar or coffee shop that wants to have a TV to watch the news, you can make an investment in soundproofing that is difficult to recover for your type of activity.

But there is an alternative for all these activities, processed as SIN Background music license but wish to put music, TV An unknown solution:

The Act 14-2010 of entertainment and recreational activities, an article (Article 19), where indicated, that activities that do not include background music as part of their core business, stereos may incorporate a sound limiter included not to overcome the reception levels established by Law 7/2002, which are deducted on 5 dBA.

This represents an important alternative for those establishments (hotels, shops, hairdressers, supermarkets) that have a license without musical environment that they like to install some kind of music, television ...
If you have questions or query in the interpretation of these rules arises do not hesitate to say so and we will help to clarify.



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Recommendations when purchasing a new Sound Limiter

EACH MANUFACTURER ALGORITHMS USED THEIR OWN LIMITATIONS thereby limiting not all are equal and respond the same way during use, which is very important when choosing which limiter installed, benefits thereof.

For example:

If the room has a computer that is digital, so we recommend is to install a digital watchdog ECUDAP, for that we get the maximum performance the team to be digital and not have to convert the signal to analog to limit it.

If the room is given a set to live music or karaoke use the best performing limiter is dBElectronics CAP21, since its limitation algorithm was developed for live music and incorporates functions like CPL and VLP are used for the limiter does not lower the overall volume, if not the highest frequency that is far from the others, so we get a pristine result in live performances without decreases in volume or penalties.

If your room or home also has a terrace and needs to control the volumes of interior and exterior and even change the level of emission with closed or open, we recommend installing a MRC Audio eqLimit, as this has 2 microphone inputs Recorder independent, and the possibility of placing sensors on doors that automatically regulate the overall volume of emission.

For more information visit us and we will advise you for free.

SPL-ACOUSTICS ENVIRONMENTAL S.L.

TEL-966236560-693984858

info@sp-repair.com - www.spl-acustica.es - www.sp-repair.com



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LIMITERS & SOUND REGISTERS



SOUND LIMITER DBELECTRONICS Cap21

Equipment specially designed to optimize the musical emission of business and leisure, using the latest advances in electronic technology and sound processing. The most advanced, A / D / D / A, special functions for live music, data, and optional LCD front display.



The limiter controller retains EQLimit sound quality that characterizes it allows more possibilities of controlling a musical activity because it has two measurement channels via two different microphones, 4 time slots at different volumes, microphone or limitation line, and sensors to control volume with closed or open. Optional Display, and data transmission.

Distribuidor e Instalador



Limiter-recorder

Spectral limitation, adjusting the level of the emitter inside the local level and transmitted to the receiver
Balanced analog inputs and outputs
Greater dynamic range of 110 dB
Suitable for transmission via optional accessory
SOUND LIMITER ECUDAP Xbasic / watchdog 50

SPL LM-1



Compact sound limiter designed especially for applications in high fidelity sound and low impedance limitation of high quality low volume ranges as televisions, stereos and small hifi bars, gyms that are limited to the enforcement against noise pollution, optional Display with recording.
Conforms 14/2010 Esp. Public.