

**PRODUCT NUMBER: 1030330**  
**1030330-Sync™ Digital AM/FM**  
**Radio**

High quality digital AM/FM radio reception

[Learn more about our products at howardleight.com](http://howardleight.com)

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[Learn more about hearing conservation at hearforever.org](http://hearforever.org) >



## Overview

**Reference Number**

1030330

**Product Type**

Hearing Protection

**Range**

earmuffs

**Line**

Radio Earmuffs

**Brand**

Howard Leight

**Industry**

- Agriculture
- Automotive and Part Manufacturer
- Building and Construction
- Chemical Industries
- Energy or Electricity
- Food Industries
- General Industry
- Iron and steel industry
- Maintenance
- Metal steel
- Petro-chemical
- Transportation
- Utilities

**Product Use**

The SYNC Radio earmuff is a hearing protector with built-in full-stereo FM and AM radio. It allows you to listen to radio-reception in the FM-band between 87,5 and 108 MHz and in the AM-band between 520 and 1710 kHz, while still protecting your hearing in an efficient and comfortable way.

## Features & Benefits

**Feature**

Digital AM/FM Tuning with LCD Display

**Benefit**

•Automatically searches for radio stations•Clean, crisp digital radio reception and high-fidelity stereo sound quality will keep workers in tune throughout their workday.

**Feature**

10 Pre-Set Stations

**Benefit**

- Easy to use and to switch from one station to another one

**Feature**

82 dBA Maximum Volume Output(based on input of 120 mV)

**Benefit**

- Listening level safer, even when they listen to their own MP3 player

**Feature**

Volume Memory

**Benefit**

- Select your preferred volume once, no need to readjust it each time you turn the radio earmuff on

**Feature**

Cool Headband / Earcup Design

**Benefit**

- Sleek diamond pattern headband with red stitching looks cool, easy to clean•Reinforced fork slides with handholds for easy and comfortable fit•Textile avoids heat transmission common with plastic headbands

**Feature**

Outer Slip-Lid Battery Compartment

**Benefit**

- No tools required / easy to use

**Feature**

2AA Batteries

**Benefit**

- Provides listening enjoyment for up to 111 hours (3 weeks based on 38 hours per working week)

**Feature**

SNR 29 H 29 / M 27 / L 22

**Benefit**

- Ideal for most of noisy environments

**Feature**

Blister Pack

**Benefit**

- Clear display shows product•Can be hanged on rack or placed on shelf for in-store merchandising

## Technical Description

**SNR (dB)**

29

**H (dB)**

29

**M (dB)**

27

**L (dB)**

23

**Earmuff Construction**

None

**Dielectric**

No

**Color**

Black

**Batteries Needed**

2AA

**Battery Autonomy (hrs)**

111

**Weight (grs)**

0.37kg

**Design Patents**

Air Flow Control, Volume Management Technology

**Headband Style**

Over-Head

**Sound Amplification**

No

**AM/FM Radio**

Yes

**Automatic Shut-Off Function**

Yes

**Audio Input Jack**

Yes

**Hi-Visibility**

No

## Certifications

### E.C. Declaration of Conformity

**EC Category PPE**

2

**Quality Assurance**

ISO 9001 / 2000

**EC Attestation** EC Attestation**EC Attestation Number**

CAB-24661

**REACH****EU Regulation 1907/2006 (REACH) Compliance**

The substance(s) listed below may be contained in this product above the threshold level of 0.1% by weight of the listed article.

**Product Reference Sold in Europe****Substance > 0.1%****Substance Name****CAS Number**

No Substance Content

### SS056 Rev\_1\_3 EC Declaration of Conformity - Electronic Earmuffs

[http://www.honeywellsafety.com/supplementary/documents\\_and\\_downloads/secured/hearing\\_protection/earmuffs/4294968404/1033.aspx](http://www.honeywellsafety.com/supplementary/documents_and_downloads/secured/hearing_protection/earmuffs/4294968404/1033.aspx)

## Literature & Documents

### SyncFamily\_Brochure\_UK

[http://www.honeywellsafety.com/supplementary/documents\\_and\\_downloads/secured/hearing\\_protection/earmuffs/4294968406/1033.aspx](http://www.honeywellsafety.com/supplementary/documents_and_downloads/secured/hearing_protection/earmuffs/4294968406/1033.aspx)

## Additional Information

**User Manual**

90021509\_SYNC Radio

## Parts & Accessories

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**Accessories**

Hygien Kit : ref1015280

**Packaging****UPC Code**

7312550303306

**UPC Code/Case**

17312550303303

**Unit of Measure**

Each

**Quantity per Box/Pack/Case**

5 EA per Case

**Country of Origin**

China

**Combitech EC type-examination**

**Notified Body No. 2279**

**EC TYPE-EXAMINATION  
CERTIFICATE**

No. CAB-24661

For hearing protectors

As defined in EN 352-1:2002, EN 352-6:2002 and EN 352-8:2008

SYNC Radio

and

SYNC Radio Hi-Vis

Sperian Hearing Protection LLC

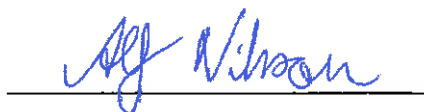
These products complies with Directive 89/686/EEC

Arboga, 17 Oct 2011



Bengt Rydh

Certification Manager



Alf Nilsson

Certification Engineer

This certificate comprises 4 pages, of which this is page 1.

EC type examination certificate No. CAB-24661

**1. Applicant**

Sperian Hearing Protection, LLC  
7828 Waterville Road  
San Diego, CA 92154 USA

**2. Identification**

Type: Headband ear-muff with radio and electrical input

Name: Howard Leight SYNC Radio, Howard Leight SYNC Radio Hi-Vis

Description: Passive headband ear-muff with AM/FM-radio and electrical audio input. Color: black or lime/yellow florescent.

Manufacturer: Sperian Hearing Protection, LLC

**3. Technical documentation**

Technical documentation	Document identification	Assessment
1. Application	CAB-25242 (SYNC Radio) CAB-25244 (SYNC Radio Hi-Vis)	Ok
2. Product drawing, construction and material list	SYNC Radio: 1030330, PRELIM2, 2011-06-08 1030331, rev C, 2010-12-22 90021155, PRE2, 2011-06-08 90021020, PRELIM3, 2011-06-08  SYNC Radio Hi-Vis: 1030332, PRELIM2, 2011-06-08 1030331, rev C, 2010-12-22 90021158, PRE2, 2011-06-09 90021021, PRELIM3, 2011-06-08	Ok       Ok

This certificate comprises 4 pages, of which this is page 2

Technical documentation	Document identification	Assessment
3. Applicant's report on applied basic requirements	<p>SYNC Radio: 1030330, PRELIM2, 2011-06-08 90021155, PRE2, 2011-06-08 90021020, PRELIM3, 2011-06-08</p> <p>SYNC Radio Hi-Vis: 1030332, PRELIM2, 2011-06-08 90021158, PRE2, 2011-06-09 90021021, PRELIM3, 2011-06-08</p>	<p>Ok</p> <p>Ok</p>
4. Accredited test report	<p>AcuLab/2011:0014A (EN352-1) AcuLab/2011:0026 (EN352-6) AcuLab/2011:0027 (EN352-8) Intertek EMC test report 1117714D-1</p>	<p>OK</p> <p>The reports are for SYNC Radio. Valid also for SYNC Radio Hi-Vis</p>
5. Draft information sheet	90021509 User Instructions rev 1.0	Ok. The table of attenuation, max voltage and headband force stated in the user instructions corresponds to the values stated in the test reports
6. Product marking drawings	<p>SYNC Radio: 1030330, PRELIM2, 2011-06-08 90021155, PRE2, 2011-06-08 90021020, PRELIM3, 2011-06-08 90021506, rev1.0 90021507, rev1.0 90021508, rev1.0</p> <p>SYNC Radio Hi-Vis: 1030332, PRELIM2, 2011-06-08 90021158, PRE2, 2011-06-09 90021021, PRELIM3, 2011-06-08 90021511, rev1.0 90021512, rev1.0 90021513, rev1.0</p>	<p>Ok</p> <p>Ok</p>

This certificate comprises 4 pages, of which this is page 3

**Combitech AB**  
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[www.combitech.se](http://www.combitech.se)  
[aculab@combitech.se](mailto:aculab@combitech.se)

Technical documentation	Document identification	Assessment
7. Additional documentation	Declaration of material content, May 25, 2011	Ok
	Certificate FM38703 - ISO9001:2008, Latest issue June 08, 2011.	Ok
	EC Declaration of conformity SSo56_rev1.2, September 13, 2011	Ok

The technical documentation is considered adequate and valid. The product supplied by the applicant conforms to the technical documentation.

#### 4. Tests

The product has been tested in accordance with European standards EN 352-1:2002, EN 352-6:2002 and EN 352-8:2008 by accredited testing methods.

#### 5. Compliance with basic health and safety requirements

The product complies with applicable basic health and safety requirements stated in Directive 89/686/EEC as amended by 93/95/EEC, 93/68/EEC and 96/58/EC.

#### 6. Note

Any modification in design, materials, or in the technical documentation, must be brought to the attention of Combitech AB/ Certification.

#### 7. Validity

This certificate is valid until 17 Oct 2016.

End of EC type examination certificate No. CAB-24661

This certificate comprises 4 pages, of which this is page 4



## E.C. Declaration of Conformity

**The manufacturer or its legal representative supplier in the European Community:**

Honeywell Safety Products Europe

**Declares that the Personal Protective Equipment described here after conforms to the provisions of the European Council Directive 89/686/CEE:**

Designation: 1030330-Sync™ Digital AM/FM Radio

Reference: 1030330

Standard(s): EN 352-6:2002, EN 352-8:2008, EN-352-1:2002

**This PPE is the object of the below EC examination certificate n°:**

**Delivered by:**

Combitech AB

SE-73281 Arboga

Sweden

tel: +46 589 800 00

Drawn up in San Diego, CA, USA, on the 17/09/2015

**By:** Neil Bergstrom

**Division:** Hearing Protection

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[www.honeywellsafety.com](http://www.honeywellsafety.com)



## Sync™

Ref.:	Description	Packaging
1030111	Sync Stereo	Clamshell
1030330	Sync Digital AM/FM Radio	Clamshell
1030332	Sync Hi-Vis Digital AM/FM Radio	Clamshell
1030333	Sync Electro	Box

### Sync Attenuation Data | Testing in accordance with EN352-1:2002.

#### Sync Stereo | SNR 31 H 32 dB – M 28 dB – L 23 dB

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	19.2	21.2	23.1	28.1	31.7	34.1	38.5	39.3
Standard Deviation	3.0	3.4	2.4	2.4	3.1	3.1	2.4	3.7
Assumed Protection	16.2	17.8	20.7	25.7	28.6	31.0	36.1	35.6

#### Sync Digital AM/FM Radio & Hi-Vis Digital AM/FM Radio | SNR 29 H 29 dB – M 27 dB – L 23 dB

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	19.0	22.6	26.3	29.8	29.0	37.2	37.3	-
Standard Deviation	3.0	2.3	2.0	1.5	2.3	2.7	3.7	-
Assumed Protection	16.0	20.3	24.3	28.2	26.7	34.5	33.6	-

#### Sync Electro | SNR 29 H 29 dB – M 27 dB – L 23 dB

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	19.0	22.6	26.3	29.8	29.0	37.2	37.3	-
Standard Deviation	3.0	2.3	2.0	1.5	2.3	2.7	3.7	-
Assumed Protection	16.0	20.3	24.3	28.2	26.7	34.5	33.6	-

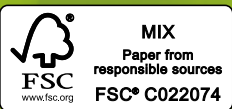
### Sync Fitting Instructions

**Fitting:** Place the ear cups over the outer ear. Adjust the headband by sliding the headband up or down at the attachment buttons. The ear cushions should seal firmly against the head.

**Optimized Fit:** For best results, remove all hair under the cushion. Noise reduction will be adversely affected by anything that impairs the seal of the earmuff cushions against the head, such as thick spectacle frames, balaclavas, etc.

**WARNING:** All hearing protection affords limited protection. The user is responsible for the proper selection, use, care and maintenance of this device. Improper selection (including under/over protection), use or maintenance may lead to serious hearing loss.

**WARNING:** For portable audio devices with output greater than 126mV, the manufacturer cannot guarantee that volume of the Sync will be limited to 82dB. Failure to maintain output levels at 126mV or less while using this device could result in hearing loss to the user of this product over time.



### HONEYWELL SAFETY PRODUCTS

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info-export@sperian.com



www.howardleight.com  
www.honeywellsafety.com

DOC 2557



# Sync™

## Play it. Safe.

Most radio earmuffs provide some level of hearing protection, but often sacrifice sound quality for attenuation.

That's why we created Sync™, the latest innovations in passive hearing protection for active lifestyles.

Stereo and radio earmuffs that are in sync with proper levels of hearing protection, high-fidelity sound, and your ability to listen to the radio and personal listening devices safely at work — and at home.





- Both comfort and fit are ensured on all Sync earmuffs by its padded diamond-patterned headband and reinforced fork slides that keep it in place when worn.
- Sync Stereo's Volume Management Technology™ manages sound levels reaching the user's ear to safer levels.

## Sync™ Stereo

**Plug in and go!** Safety managers love Sync Stereo earmuffs as much as their workers do. Users simply plug in MP3 players and personal listening devices, and listen. There are no volume knobs or power switches to coordinate nor batteries to replace. Sync Stereo's ease-of-use is enhanced by maintaining volume and power control through the MP3 player. Plus, Sync Stereo's technologically advanced acoustical bass chamber enhances bass sounds that are typically sacrificed in traditional industrial stereo earmuffs.

## Sync™ Digital AM/FM Radio

**Improved performance.** Studies have shown that workers allowed to wear hearing protectors that integrate AM/FM radios are more productive and motivated on the job. With the new Sync Digital AM/FM Radio, not only can workers be more productive, they will enjoy their listening experience even more! Its digital tuning interface automatically searches for radio stations and can store up to 10 stations in its memory. Inside and outdoors, Sync Digital AM/FM Radio's clean, crisp digital radio reception and high-fidelity stereo sound quality will keep workers in tune throughout their workday.



- 10 pre-set stations and volume memory can be personalized for each worker.
- Lightweight slim earcup design more comfortable to wear during the work day.
- LCD display
- All Sync earmuffs feature a 3.5mm AUX input jack and connection cable.



- Bright green earcups provide high visibility and contrast, reflective headband illuminates under light for increased visibility and safety.
- All Sync earmuffs feature patented Air Flow Control™ technology, delivering optimal attenuation across all frequencies without increasing earcup size or weight.



## Sync™ Hi-Vis Digital AM/FM Radio

**Total protection, visibility and productivity.** The Sync Hi-Vis Digital AM/FM Radio provides workers with a total solution for hearing protection, motivation, and visibility. In addition to Sync Digital AM/FM Radio features, its eye-catching bright green earcups provide a highly noticeable contrast against dark settings. Plus, Sync Hi-Vis Digital AM/FM Radio is the only radio earmuff that incorporates an exclusive reflective headband that illuminates when exposed to light, providing increased visibility and safety on the job.



## Sync™ Electro®

**Situational awareness.** Sync Electro combines the entertainment benefit of our Digital AM/FM Radio with advanced sound amplification technology for improved situational awareness. Directionally placed stereo microphones amplify and enhance ambient sound up to 82 dB, allowing workers to hear important communication — alarms/warning signals, co-workers' voices — more effectively. For ambient noise exposures above 82 dBA, Sync Electro's listening circuitry manages speaker volume to a level that does not exceed 82 dBA.



- Separate knobs adjust volume for radio and sound amplification.
- Sync Electro is available in headband and helmet models. Helmet model includes set of adapters to use with popular helmets.
- Built-in microphones reproduce ambient sounds, retaining sense of direction.

