

**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)

>

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

Honeywell
HOWARD
LEIGHT

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

Literature & Documents **SyncFamily_Brochure_UK**

http://www.honeywellsafety.com/supplementary/documents_and_downloads/secured/hearing_protection/earmuffs/4294968406/1033.aspx

Additional Information**User Manual**

90021509_SYNC Radio

Parts & Accessories

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

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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

Combitech AB
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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 fluorescent.

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

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Technical documentation	Document identification	Assessment
3. Applicant's report on applied basic requirements	SYNC Radio: 1030330, PRELIM2, 2011-06-08 90021155, PRE2, 2011-06-08 90021020, PRELIM3, 2011-06-08 SYNC Radio Hi-Vis: 1030332, PRELIM2, 2011-06-08 90021158, PRE2, 2011-06-09 90021021, PRELIM3, 2011-06-08	Ok Ok
4. Accredited test report	AcuLab/2011:0014A (EN352-1) AcuLab/2011:0026 (EN352-6) AcuLab/2011:0027 (EN352-8) Intertek EMC test report 1117714D-1	OK The reports are for SYNC Radio. Valid also for SYNC Radio Hi-Vis
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	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 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	Ok Ok

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

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 SS056_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

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tel: +46 589 800 00

Drawn up in San Diego, CA, USA, on the 23/08/2017

By: Neil Bergstrom

Division: Hearing Protection

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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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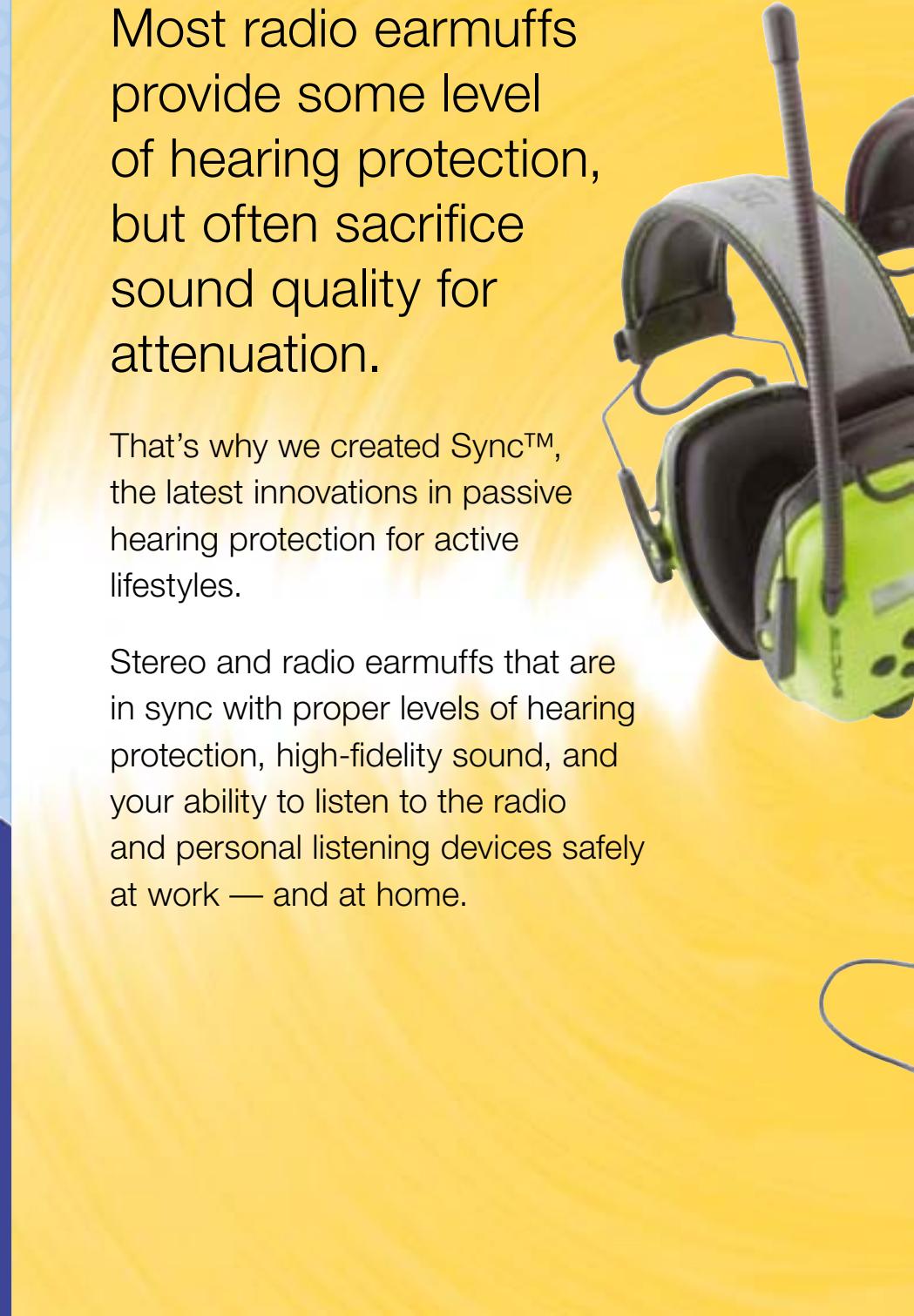
DOC 2557



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.





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.



- 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™ 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.



- 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 a set of adapters to use with popular helmets.



- Built-in microphones reproduce ambient sounds, enhancing sense of direction.