



HARD HAT

EU Declaration of Conformity (DoC)

This declaration of conformity is issued under the exclusive responsibility of the manufacturer

**WE (MANUFACTURER OR AUTHORISED REPRESENTATIVE):**

**BUSINESS NAME:** XYZ Reality Ltd  
**ADDRESS:** Unit G0. G02  
338-346 Goswell Road, Angel,  
Clerkenwell, London, EC1V 7LQ  
**COUNTRY:** United Kingdom

**DECLARE UNDER OUR SOLE RESPONSIBILITY THAT THE PRODUCT:**

**PRODUCT NAME:** Atom Hard Hat  
**PART NUMBER:** XYZ-13-01  
**FIRMWARE VERSION:** v01  
**SOFTWARE VERSION:** v2  
**OBJECT:** XYZ Reality, ATOM Hard Hat (black)

**PLACE AND DATE OF ISSUE  
(OF THIS DOC):**  
XYZ Reality  
Angel, London, EC1V 7LQ, UK  
25/04/2023

**SIGNED BY OR FOR  
THE MANUFACTURER:**

**DR KAZ KHAKI**  
VP TECHNOLOGY



**Notified Body**

TÜV SÜD, Fareham, PO15 5RL  
TÜV SÜD, Warwickshire, CV37 0EX  
BSI Group, The Netherlands B.V, Say Building, John M. Keynesplein 9, 1066 EP, Amsterdam, Netherlands

If any further information is required please go to [www.xyzreality.com](http://www.xyzreality.com) or contact [hello@xyzreality.com](mailto:hello@xyzreality.com)

# DECLARATION OF CONFORMITY

To which this declaration relates is in conformity with the following relevant Union harmonisation legislation:

## PERSONAL PROTECTIVE EQUIPMENT DIRECTIVE (EU 2016/425)

**BS EN 397:2012+A1:2012** Industrial safety helmets

**BS EN 166-2002** Personal eye-protection Specification

The following Notified Body performed the intervention as described below and issued the EU-type examination certificate:

<b>PRODUCT NAME:</b>	ATOM G2
<b>TYPE:</b>	BS-EN397 & BS EN166 Augmented Reality Construction Hard Hat with Visor and Tinted Visor
<b>BATCH / SERIAL NUMBER:</b>	01
<b>OBJECT:</b>	XYZ Reality Hard Hat (black)
<b>NOTIFIED BODY NAME:</b>	BSI
<b>NOTIFIED BODY NUMBER:</b>	2797
<b>DESCRIPTION OF INTERVENTION:</b>	EU type-examination Module B
<b>NUMBER EU-TYPE EXAMINATION CERTIFICATE:</b>	CE 714669
<b>DATE EU-TYPE EXAMINATION CERTIFICATE:</b>	02/07/2021
<b>EFFECTIVE DATE OF VALIDITY OF THE EXAMINATION CERTIFICATE:</b>	07/10/2029

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This product is also in conformity with the following relevant legislation:

### RADIO EQUIPMENT DIRECTIVE (2014/53/EU)

<b>ETSI EN 300 328</b>	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum
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### ROHS DIRECTIVE (2011/65/EU)

<b>EN 50581:2012</b>	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
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### ELECTROMAGNETIC COMPATIBILITY DIRECTIVE (2014/30/EU)

<b>EN 61000-6-2</b>	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
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<b>EN 61000-6-4</b>	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
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<b>EN 61000-3-2</b>	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)
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<b>EN 61000-3-3</b>	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection
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<b>ETSI EN 301 489-1</b>	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility
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<b>ETSI EN 301 489-17</b>	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility
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<b>Article 3.1(a) – in respect of Health and Safety</b>	IEC 62368-1:2014, EN 62368-1:2014, EN 62368-1:2014/ A11:2017, UL 62368-1:2014, CSA/CAN C22.2 No. 62368-1-14, AS/NZS 62368.1:2018 and EN 50566 2017
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and that the product is in conformity with the following standards and/or other normative documents:

## ADDITIONAL STANDARDS

<b>FCC 47CFR 2.1093</b>	Radiofrequency radiation exposure evaluation: portable devices
<b>RSS 102</b>	Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)
<b>FCC 47 CFR Part 15C</b>	Intentional Radiators
<b>ISED RSS-247</b>	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
<b>ISED RSS-GEN</b>	General Requirements for Compliance of Radio Apparatus
<b>FCC 47 CFR Part 15B</b>	Unintentional Radiators
<b>ICES-003</b>	Information Technology Equipment (including Digital Apparatus)
<b>IEC 62133-2</b>	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems
<b>UL2054</b>	Household and Commercial Batteries
<b>IEC/EN/UL/CAN/CSA/ AS/NZS 62368-1</b>	Audio/video, information and communication technology equipment - Part 1: Safety requirements

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