

DECLARATION OF
CONFORMITY

ATOM™

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-12-02
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
07/09/2022

**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, Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, Netherlands

If any further information is required please go to www.xyzreality.com
or contact hello@xyzreality.com

XYZ™

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:

PRODUCT NAME:	ATOM G2
TYPE:	BS-EN397 & BS EN166 Augmented Reality Construction Hard Hat with Visor
BATCH / SERIAL NUMBER:	01
OBJECT:	XYZ Reality Hard Hat (black)
NOTIFIED BODY NAME:	BSI
NOTIFIED BODY NUMBER:	2797
IDENTIFICATION NUMBER:	0086
DESCRIPTION OF INTERVENTION:	EU type-examination Module B
NUMBER EU-TYPE EXAMINATION CERTIFICATE:	CE 714669
DATE EU-TYPE EXAMINATION CERTIFICATE:	02/07/2021
EFFECTIVE DATE OF VALIDITY OF THE EXAMINATION CERTIFICATE:	07/10/2029

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

RADIO EQUIPMENT DIRECTIVE (2014/53/EU)

ETSI EN 300 328	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)

EN 50581:2012	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)

EN 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
EN 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3	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 ≤ 16 A per phase and not subject to conditional connection
ETSI EN 301 489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility
ETSI EN 301 489-17	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility
Article 3.1(a) – in respect of Health and Safety	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

FCC 47CFR 2.1093	Radiofrequency radiation exposure evaluation: portable devices
RSS 102	Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)
FCC 47 CFR Part 15C	Intentional Radiators
ISED RSS-247	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
ISED RSS-GEN	General Requirements for Compliance of Radio Apparatus
FCC 47 CFR Part 15B	Unintentional Radiators
ICES-003	Information Technology Equipment (including Digital Apparatus)
IEC 62133-2	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
UL2054	Household and Commercial Batteries
IEC/EN/UL/CAN/CSA/ AS/NZS 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

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