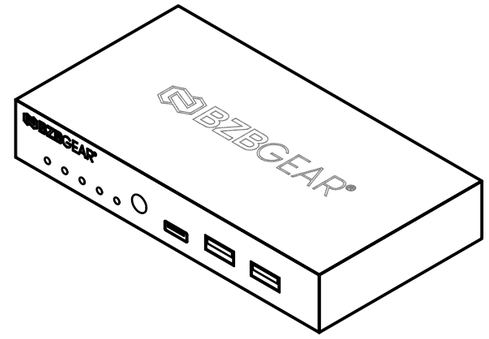
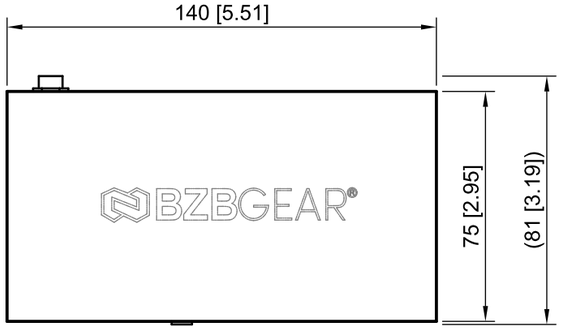
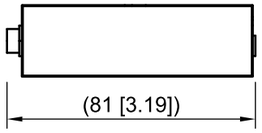
| REVISIONS | | | | |
|---|---|---|---|---|
| | REV | DESCRIPTION | DATE | APPROVED |
| | R01 | INITIAL RELEASE | 2026-11-08 | |



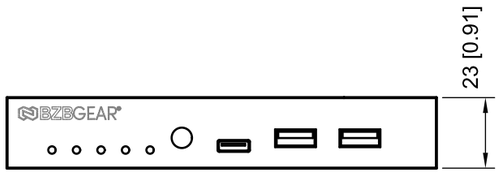

**ISOMETRIC VIEW**
(REFERENCE, 1:2)

**TOP VIEW**




**LEFT SIDE VIEW**




**FRONT VIEW**

**SPECIFICATIONS (REFERENCE)**

| PARAMETER | VALUE |
|---|---|
| TRANSMITTER EXTENSI | 1x HDBT-USB3 (RJ45, 24V PoC) |
| TRANSMITTER CONTROL | 1x RS-232 (3-pin 3.5mm Phoenix), 1x FSYNC (1-pin 3.5mm Phoenix) |
| TRANSMITTER SERVICE | 1x USB-C (firmware update) |
| RECEIVER CONTROL PO | 1x RS-232 (3-pin 3.5mm Phoenix), 1x FSYNC (1-pin 3.5mm Phoenix) |
| RECEIVER SERVICE PO | 1x USB-C (firmware update) |
| HOUSING | Metal enclosure |
| COLOR | Black |
| DIMENSIONS | 5.5 x 3 x 0.91 in [140 x 75 x 23 mm] (Transmitter / Receiver) |
| WEIGHT | Transmitter: 0.69 lb [313 g]; Receiver: 0.70 lb [318 g] |
| POWER SUPPLY | AC 100–240V, 50/60Hz; DC 24V / 3.75A output |
| POWER CONS. | Transmitter: 23W (max); Receiver: 35W (max) |
| OPERATING TEMP. | 32°F to 104°F / 0°C to 40°C |

**NOTES:**
1. ALL DIMENSIONS IN MILLIMETERS [INCHES]. DO NOT SCALE DRAWING.
2. DIMENSIONS ARE NOMINAL; TOLERANCE ±0.5 mm [±0.02 in] UNLESS OTHERWISE SPECIFIED.
3. ( ) REFERENCE DIMENSIONS INCLUDE FEET, KNOBS, CONNECTORS AND OTHER PROTRUSIONS.
4. GEOMETRY FROM THE MANUFACTURER CAD; PANEL DETAILS ON THE FOLLOWING SHEETS.
5. CONNECTOR TYPES IDENTIFIED FROM OUTLINE GEOMETRY; CONFIRM AGAINST THE PRODUCT LABELS.

PROPRIETARY: THIS DRAWING AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF BZBGEAR.
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

| | NAME | DATE |
|---|---|---|
| DRAWN | BZBGEAR | 2026-11-08 |
| CHECKED | | |
| APPROVED | | |
| UNITS | mm [in] | |
| TOLERANCE | ±0.5 mm [±0.02 in] U.O.S. | |
| MATERIAL | METAL ENCLOSURE | |
| FINISH | BLACK | |
| | THIRD ANGLE PROJECTION | |

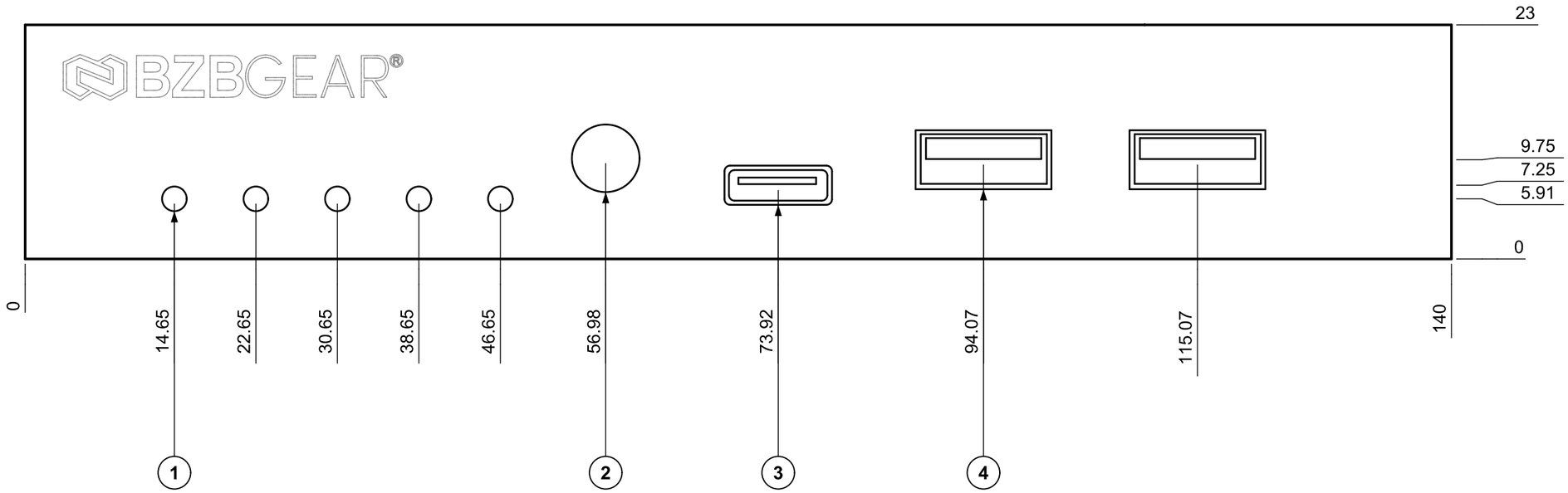
BZBGEAR®
830 National Dr Ste 140, Sacramento, CA 95834, USA
Office: (888) 499-9906 | Local: +1 (916) 383-3154 | info@bzbgear.com

TITLE
**DUAL-HOST USB 3.2 TYPE-A/B/C SWITCHER & HDBASET 3.0 EXTENDER...**
OUTLINE DIMENSIONS

MODEL / DWG NO.
# BG-USX-B100BC-TX

| SIZE | SCALE | WEIGHT | SHEET | REV |
|---|---|---|---|---|
| A3 | 1:2 | 0.313 kg | 1 OF 3 | R01 |

| REVISIONS | REV | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|---|
| | R01 | INITIAL RELEASE | 2026-11-08 | |




## FRONT PANEL

ORDINATE DIMENSIONS TO FEATURE CENTRES FROM THE LOWER-LEFT CORNER OF THE PANEL AS VIEWED.

### FRONT PANEL CALLOUTS

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1 | LED INDICATOR | 5 |
| 2 | 3.5 mm JACK | 1 |
| 3 | OPENING / FEATURE 10.55 X 3.85 | 1 |
| 4 | USB TYPE-A RECEPTACLE | 2 |

PROPRIETARY: THIS DRAWING AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF BZBGEAR.
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

| | NAME | DATE |
|---|---|---|
| DRAWN | BZBGEAR | 2026-11-08 |
| CHECKED | | |
| APPROVED | | |
| UNITS | mm [in] | |
| TOLERANCE | ±0.5 mm [±0.02 in] U.O.S. | |
| MATERIAL | METAL ENCLOSURE | |
| FINISH | BLACK | |
| | THIRD ANGLE PROJECTION | |

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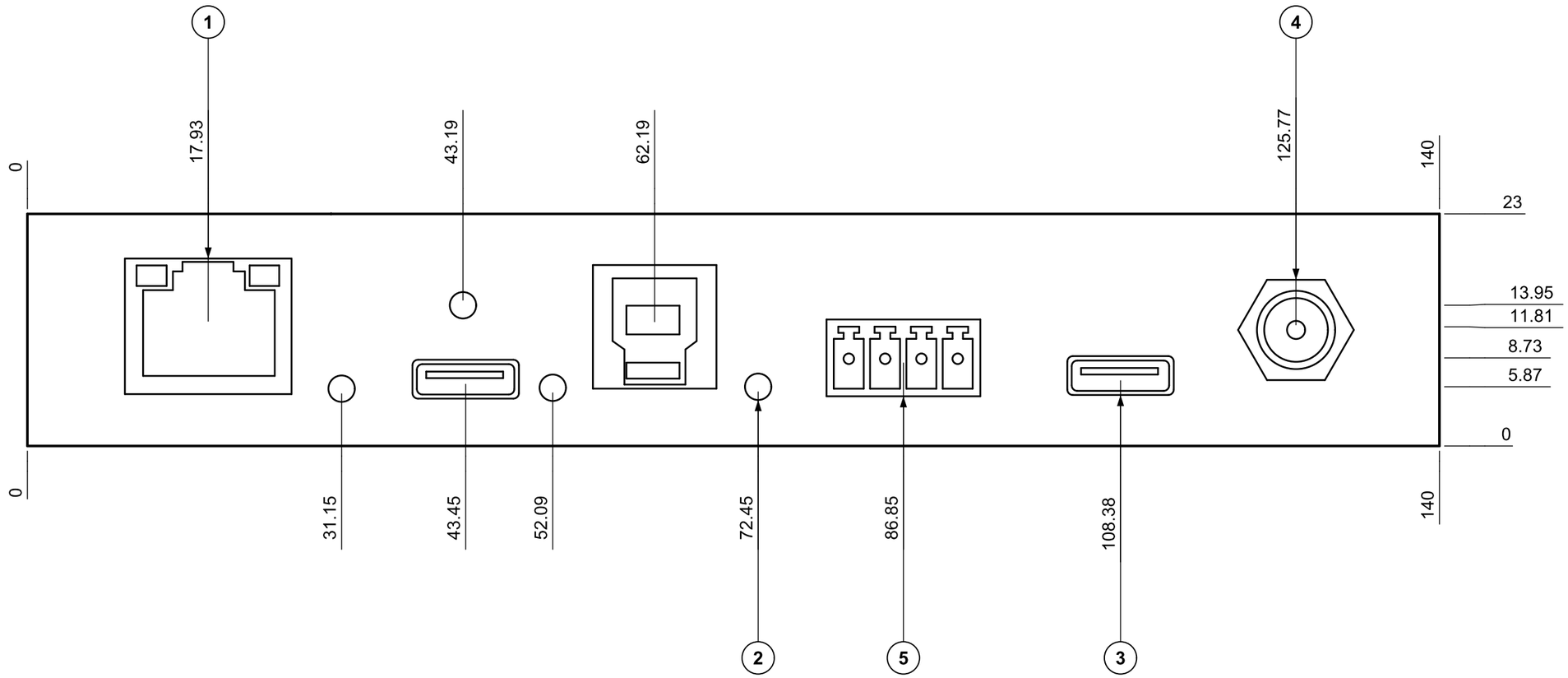
TITLE
**DUAL-HOST USB 3.2 TYPE-A/B/C SWITCHER & HDBASET 3.0 EXTENDER...**
FRONT PANEL DETAILS

MODEL / DWG NO.
# BG-USX-B100BC-TX

| SIZE | SCALE | WEIGHT | SHEET | REV |
|---|---|---|---|---|
| A3 | 2:1 | 0.313 kg | 2 OF 3 | R01 |

| REVISIONS | REV | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|---|
| | R01 | INITIAL RELEASE | 2026-11-08 | |




**REAR PANEL**
(VIEWED FROM REAR)

ORDINATE DIMENSIONS TO FEATURE CENTRES FROM THE LOWER-LEFT CORNER OF THE PANEL AS VIEWED.

## REAR PANEL CALLOUTS

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1 | RJ45 MODULAR JACK | 1 |
| 2 | LED / IR / PINHOLE OPENING Ø2.62 | 4 |
| 3 | OPENING / FEATURE 10.55 X 3.85 | 2 |
| 4 | USB TYPE-B RECEPTACLE | 2 |
| 5 | PLUGGABLE TERMINAL BLOCK, 4-POLE, 15.25 X 7.61 | 1 |

PROPRIETARY: THIS DRAWING AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF BZBGEAR.
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

| | NAME | DATE |
|---|---|---|
| DRAWN | BZBGEAR | 2026-11-08 |
| CHECKED | | |
| APPROVED | | |
| UNITS | mm [in] | |
| TOLERANCE | ±0.5 mm [±0.02 in] U.O.S. | |
| MATERIAL | METAL ENCLOSURE | |
| FINISH | BLACK | |
| | THIRD ANGLE PROJECTION | |

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TITLE
**DUAL-HOST USB 3.2 TYPE-A/B/C SWITCHER & HDBASET 3.0 EXTENDER...**
REAR PANEL DETAILS

MODEL / DWG NO.
# BG-USX-B100BC-TX

| SIZE | SCALE | WEIGHT | SHEET | REV |
|---|---|---|---|---|
| A3 | 2:1 | 0.313 kg | 3 OF 3 | R01 |