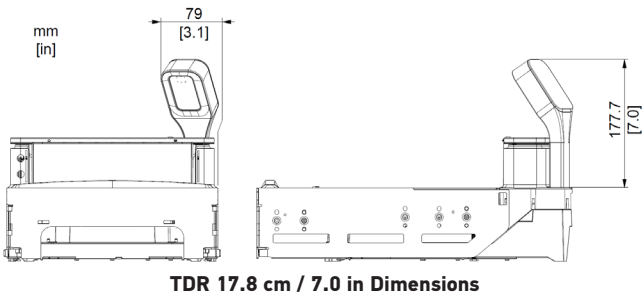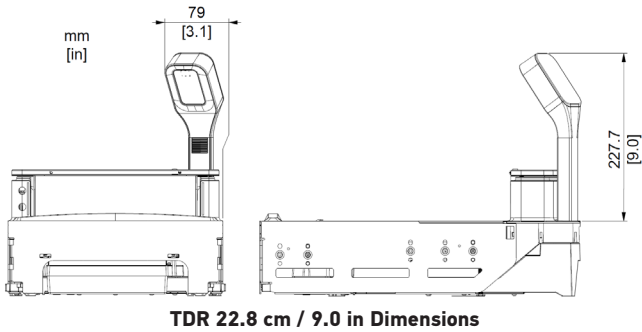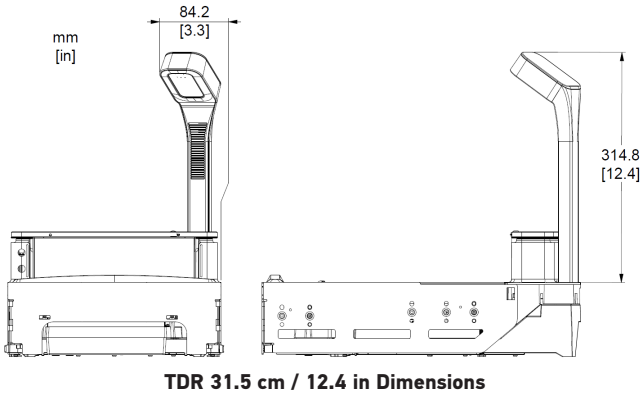The Magellan 9900i TDR (Top Down Reader) option expands the scan volume by up to 20% and adds a sixth sided view of items crossing the platter. The TDR comes in 3 heights and offers an optional integrated customer-facing reader, enabling customers to scan mobile devices and coupons independent from a cashier in assisted lanes improving efficiency.

Description	Order no.
Top Down Reader (TDR) 31.5 cm / 12.4 in	90ACC0419
Top Down Reader (TDR) 22.8 cm / 9.0 in	90ACC0418
Top Down Reader (TDR) 17.8 cm / 7.0 in	90ACC0417
Top Down Reader (TDR) 31.5 cm / 12.4 in with CFR*	90ACC0422
Top Down Reader (TDR) 22.8 cm / 9.0 in with CFR*	90ACC0421
Top Down Reader (TDR) 17.8 cm / 7.0 in with CFR*	90ACC0420

*CFR = Customer Facing Reader

INSTALLATION

mm [in]
84.2 [3.3]
314.8 [12.4]

TDR 31.5 cm / 12.4 in Dimensions

mm [in]
79 [3.1]
227.7 [9.0]

TDR 22.8 cm / 9.0 in Dimensions

mm [in]
79 [3.1]
177.7 [7.0]

TDR 17.8 cm / 7.0 in Dimensions

MAGELLAN™ 9900i TDR

INSTALLATION GUIDE

DATALOGIC

Top Down Reader

See the Safety & Regulatory Addendum included with your product for additional regulatory, safety and legal information.
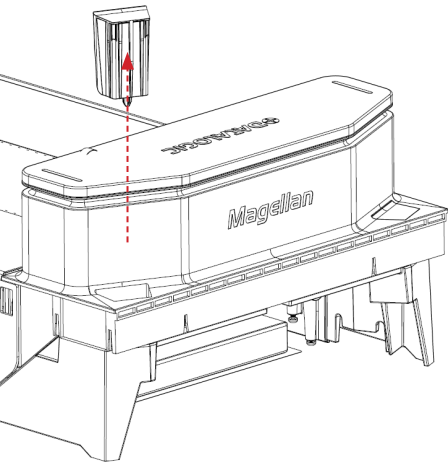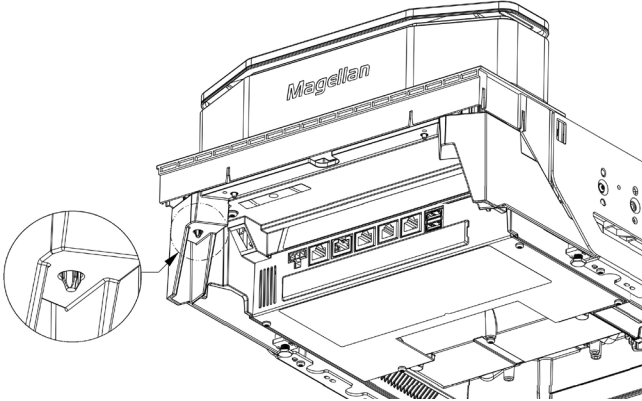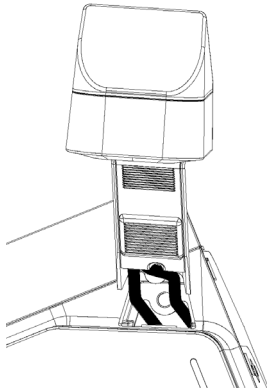
www.datalogic.com

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To install the TDR, proceed as follows:

1. The TDR should be installed just behind the scanner's bonnet on the takeaway side, i.e. if products are scanned left to right, then the TDR should be placed on the right side, and vice versa. From the bottom of the scanner, push the pin upwards to disengage the insert. A tool may be needed.
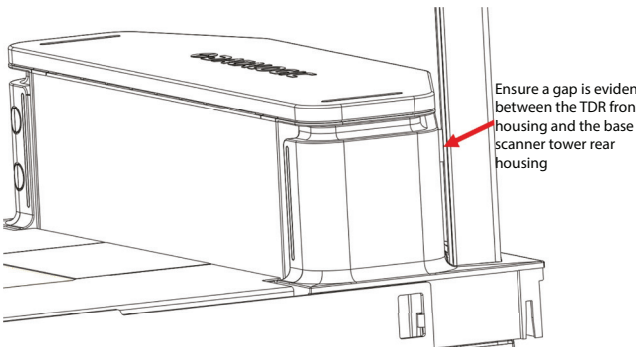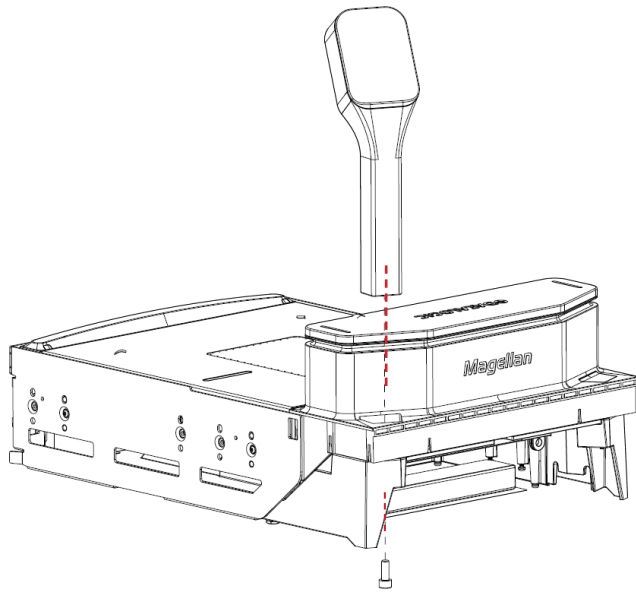

2. Route the TDR cables down through the base of the scanner, gently pull them all the way through on the bulkhead side of the base and seat the TDR in its corner cavity. Make sure they are not pinched or caught beneath the scanner base, and that they are not interfering with the ability of the TDR to seat into the corner cavity.

NOTE: Failure to properly route the TDR cables before securing to the base scanner may cause the TDR to contact the platter bezel and affect weighing.

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3. Use a 5mm hex driver to secure the TDR with the bolt provided for this purpose. Torque mounting screw to 6.8 Nm (60 in-lb), ensuring that the TDR is fully seated into the corner cavity.

Ensure a gap is evident between the TDR front housing and the base scanner tower rear housing

NOTE: After installation, visually make sure that the TDR is not touching the weighing surface of the scanner platter.

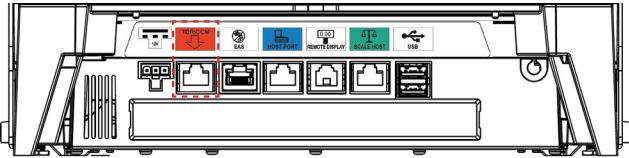**CAUTION: Plug in the TDR cables before connecting power to the scanner.**

CAUTION: Do not cover or obstruct the TDR fan intake and exhaust vent ports.
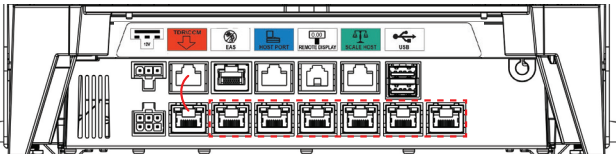

Do not cover or obstruct

4. Verify that the cables are not pinched or caught between assemblies, then connect the Ethernet cable to the TDR/CCM port on the back of the scanner.

> **NOTE: If your scanner is equipped with an Ethernet switch, use the jumper cable provided in the accessory package to enable connection to the switch ports, as illustrated below.**

The jumper cable enables connection to the switch ports highlighted in the dashed rectangle.

5. Based on your application, if the video feed is set up to be retrieved over USB, connect the USB cable to the device that will interface with the TDR. This is typically a PC or POS.

> **NOTE: Upon connection to the scanner or scanner scale, the TDR (and CFR, if any) complies with the same safety, EMC, and environmental requirements as the scanner or scanner scale.**

PAIRING THE TDR WITH THE BASE SCANNER

After installation, the Top Down Reader needs to be paired with the base scanner. To do this, follow this procedure:

1. Locate and remove the removable label on the top of the TDR:

TDR removable label

The same label is also placed on a wire flag at the base of the TDR, along with a non-pairing label containing the production date and the part number of the TDR:

2. Scan the label on the base scanner for pairing. The label has 2 barcodes on it, so the scanner will audibly indicate a read 2 times.

> **NOTE: This label is specific to its TDR, so it cannot be used to pair other TDRs.**

3. After scanning the label, the base scanner will restart automatically. The TDR is now successfully paired.

4. If the TDR is not at the same software level as the base unit, the TDR software will now start updating. This process can take several minutes to complete.

> **NOTE: You can also pair the TDR and the base scanner using Aladdin. Open the Terminal (only available when a the device is connected) from the right pane of the Device Configuration window. Then type in 0900 00 02 "xx:xx:xx:xx:xx:xx" 00 where "xx:xx:xx:xx:xx:xx" is the Mac address of your TDR (indicated on the TDR label). To confirm pairing, use command 0900 02.**

When the TDR is undergoing the update process, the base scanner will show a moving segment on its health and status display. This segment will appear like it is moving around in a circle. When the update process is complete, the segment will no longer be shown on the health and status display.