

Topcon Horizon OS

Guidance, Steering and Control Software Customizable Based Upon Needs

As the hub for in-field tasks, Topcon Horizon Operating Software provides powerful capability and feature customization. From autosteering to implement control and crop monitoring, optimize your investment and

unlock what's right for your operation. All additional Horizon OS features are easily accessible and unlockable via the TAP Market through the console or PC.

								
Feature	XC1	XC1 plus	XD	XD+	X25	X35	ID1	ID1 plus
Software	Horizon Lite	Horizon Lite	Horizon	Horizon	Horizon	Horizon	Horizon ISO	Horizon ISO
Screen Size	7"	10"	7"	12.1"	8.4"	12.1"	7"	10"
Landforming (MC-X1)	-	-	-	Native	-	Native	-	-
Tillage Depth Control (Norac)	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT
Seed Drill Control (Artemis AS-1X)	ISO-UT/TC	ISO-UT/TC	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS
Seeding Control (Apollo CM-40)	ISO-UT/TC	ISO-UT/TC	Native or ISO-UT/TC/FS	Native or ISO-UT/TC/FS	Native or ISO-UT/TC/FS	Native or ISO-UT/TC/FS	ISO-UT/TC	ISO-UT/TC
Spraying Control (CM-20 Sprayer)	ISO-UT/TC	ISO-UT/TC	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS
Spraying Control (Apollo CM-40)	ISO-UT	ISO-UT	Native or ISO-UT/TC/FS	Native or ISO-UT/TC/FS	Native or ISO-UT/TC/FS	Native or ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS
Crop Monitoring (CropSpec)	-	-	Native	Native	Native	Native	Native	Native
Spreading Control (Athene SM-1X / SM-3X)	ISO-UT/TC	ISO-UT/TC	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS
Boom Height Control (Norac)	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT
Yield Monitoring (YM-2 / YM-3)	ISO-UT	ISO-UT	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS	ISO-UT/TC/FS
Weight Information (Scalelink)	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT	ISO-UT
TAP Digital Farm Management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Data Transfer Devices	WiFi Dongle / CL-20	WiFi Dongle / CL-20	WiFi Dongle / CL-20 / CL-55	WiFi Dongle / CL-20 / CL-55	WiFi Dongle / CL-20 / CL-55	WiFi Dongle / CL-20 / CL-55	WiFi Dongle	WiFi Dongle

Note: This table reflects the full scope of capabilities after all available feature unlocks.

TAP Market Features

Explore Horizon unlocks by X Family Console

Feature	Description	XC1	XC1 plus	XD	XD+	X25	X35	ID1	ID1 plus
Guidance									
Guidelines ¹	Basic guidance, including on-screen waylines and lightbar.	Included							
Autosteer ¹	Automatic steering Included with 30cm SBAS correction services. Access to full range of correction networks, including satellite, cellular, Wi-Fi and base station, down to 2cm RTK.	Included	Included	Unlock	Unlock	Included	Included	-	-
Steer to Boundary	Generates guidance line from boundary to follow with Autosteer.	Included	Included	Included	Included	Included	Included	-	-
Guidelock	Generates guidance line based upon last passes coverage.	Included	Included	Included	Included	Included	Included	-	-
Headland Turns	Automatically generate and execute turn at end of row for seamless transition into next pass.	Unlock	Unlock	Unlock	Unlock	Unlock	Unlock	-	-
Tramlines	Visualize and optimize waylines with respect to application machinery width.	-	-	Unlock	Unlock	Unlock	Unlock	Unlock	Unlock
Controlled Traffic	View multiple guidance paths at the same time with operating waylines easily differentiated from surrounding tasks.	Unlock	Unlock	Unlock	Unlock	Unlock	Unlock	-	-
Machine Link ¹	Collaborate multiple machines (up to 100) on a single task and share data in real time. Includes integrated automatic section control to prevent accidental application.	-	-	Unlock	Unlock	Unlock	Unlock	-	-

Note: Various Unlocks may be free in certain regions. Contact at Topcon sales representative for more information

¹Additional hardware required. ²TAP Fields is free for first 30 days. ³Subscription required. ⁴Works with virtual implement.

⁵ISO-UT Unlock required. ⁶Boom Height Control license also acts as Tillage Depth Control license.

TAP Market Features

Explore Horizon unlocks by X Family Console

Feature	Description	XC1	XC1 plus	XD	XD+	X25	X35	ID1	ID1 plus
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Guidance

XTEND ¹	Extend user interface of console to mobile iOS or Android device.	-	-	Unlock	Unlock	Unlock	Unlock	Unlock	Unlock
Cameras ¹	Enable display for digital cameras (up to 4 AgCams).	-	-	Unlock	Unlock	Unlock	Unlock	Unlock (1 camera)	Unlock (2 camera)
Third-party NMEA Receivers	Support for third-party NMEA and NMEA 2000 receivers to provide GNSS position information to the console.	-	-	Unlock	Unlock	Unlock	Included	Included	Included
External Applications	Enable display for Topcon approved third-party software applications.	-	-	Unlock	Unlock	-	-	-	-
Virtual Wheel Angle Sensor	Digital wheel angle sensor replacing need for mechanical sensor.	Unlock	Unlock	-	-	-	-	-	-

Digital Farm Management

Tasks	Task management including data logging and full stack of geospatial field profiling tools.	Included							
TAP Fields ^{2,3}	Easily manage subscriptions, upload and manage all farm data. Includes Market, Dashboard, Storage and Fields apps.	Compatible							
TAP Fleet ^{1,3}	Track the fleet and monitor metrics.	-	-	Compatible	Compatible	Compatible	Compatible	-	-
TAP Pro ^{1,3}	Constant connectivity, enabling Automatic Sync, Fleet Management and Remote Support.	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	-	-

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TAP Market Features

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Feature	Description	XC1	XC1 plus	XD	XD+	X25	X35	ID1	ID1 plus
Monitoring, Mapping and Logging									
CropSpec Monitoring ¹	Enable display for CropSpec Crop Monitoring solution.	-	-	Unlock	Unlock	Included	Included	Unlock	Unlock
Yield Monitoring ¹	Enables display for Topcon real-time yield monitoring, mapping and logging solution.	Included (ISO-UT)	Included (ISO-UT)	Unlock	Unlock	Unlock	Unlock	Included	Included
Weather Station ¹	Enable display for AirMar 150WX Weather Station.	-	-	Unlock	Unlock	Unlock	Unlock	-	-
Implement and Application Control									
Auto Section Control ¹	Automatic section control for compatible application controllers.	Included ⁴	Included ⁴	Unlock	Unlock	Included	Included	Unlock	Unlock
Variable Rate Control ¹	Variable rate control for compatible application controllers.	Unlock	Unlock	Unlock	Unlock	Unlock	Included	Unlock	Unlock
Additional Seeder Tanks ¹	Adds support for seeder implements with 3 or more tanks.	-	-	Unlock	Unlock	Unlock	Included	-	-
Additional Spreader Bins ¹	Adds support for spreader implements with dual belts and up to 4 bins.	-	-	Unlock	Unlock	Unlock	Included	-	-
Additional Sprayer Tanks ¹	Adds support for sprayer implements with up to 4 tanks.	-	-	Unlock	Unlock	Unlock	Included	-	-
Boom Height Control ^{1,6}	Enable display for Norac boom height control solution.	Included ⁵	Included ⁵	Unlock	Unlock	Included	Included	Included	Included
Hypro ProStop-E ¹	Support for Hypro Pentair CAN controlled nozzle system to provide individual nozzle control on the boom.	-	-	Unlock	Unlock	Unlock	Unlock	-	-
Water Conservation ¹	Enable display for access to full suite of Topcon landforming technology, including survey, design and execution.	-	-	-	Unlock	-	Unlock	-	-

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TAP Market Features

Explore Horizon unlocks by X Family Console

Feature	Description	XC1	XC1 plus	XD	XD+	X25	X35	ID1	ID1 plus
ISOBUS Control									
ISO-UT	Display compatibility for ISOBUS protocol solutions.	Unlock	Unlock	Included	Included	Included	Included	Included	Included
ISO TC	Integrate with ISOBUS ECUs for automatic control and mapping integration.	Unlock	Unlock	Included	Included	Included	Included	Included	Included
ISOBUS Implement Profiles ¹	Enables display for ISOBUS implement control and task logging, up to 2 products.	-	-	Unlock	Unlock	Included	Included	Included	Included
Additional ISOBUS Products ¹	Adds support for up to 4 ISO products.	-	-	Unlock	Unlock	Unlock	Included	Unlock	Unlock
Support									
Remote Support ¹	Allows 3rd party to remotely connect for support purposes.	Included	Included	Included	Included	Included	Included	Included	Included
GPS Receiver									
AGS-2	Provides positioning data using expanded satellite constellation tracking. Corrected signals available.	-	-	Yes	Yes	Yes	Yes	-	-
XR-1	Provides positioning data using expanded satellite constellation tracking. Corrected signals available.	Yes	Yes	-	-	-	-	N/A Does not have BRR capabilities	N/A Does not have BRR capabilities
AGM-1	Provides manual guidance and positioning data. NMEA0183 and NMEA2000.	-	-	Yes	Yes	Yes	Yes	Yes	Yes
RDS GPS16	Provides GPS Signal matching vehicle movement.	-	-	NMEA Speed Source (Serial)	NMEA Speed Source (Serial)				

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