



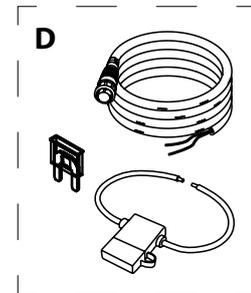
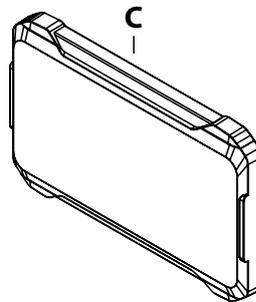
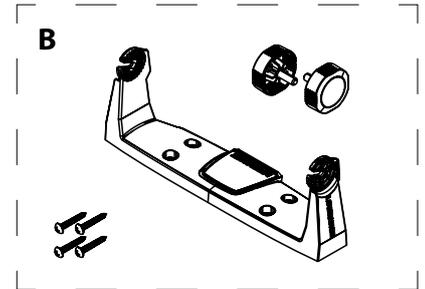
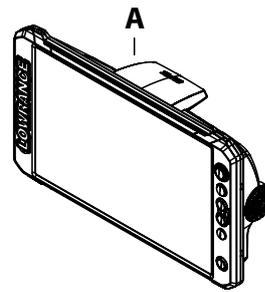
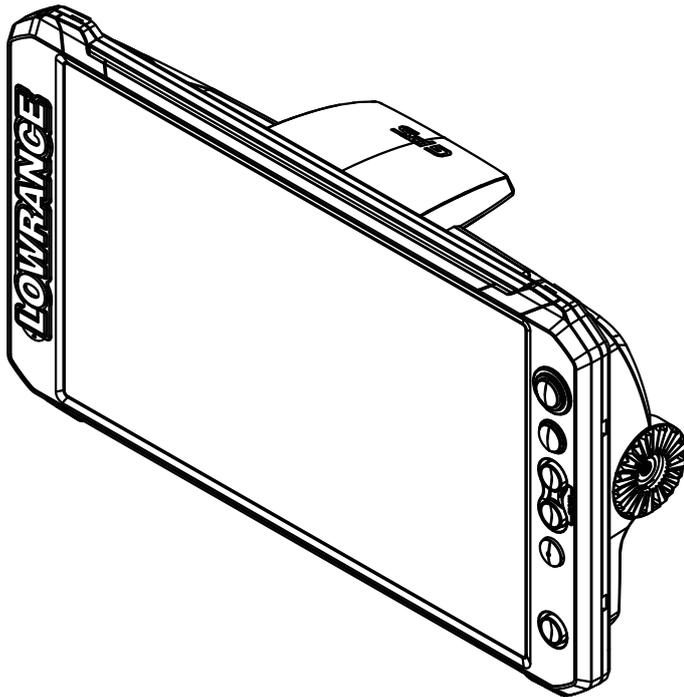
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## Elite FS® 7", 9", 10" & 12" Installation guide

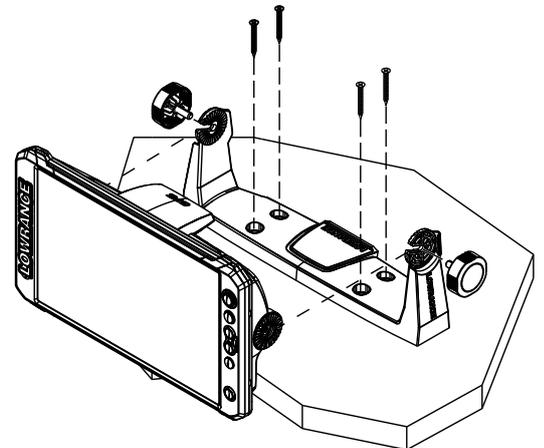
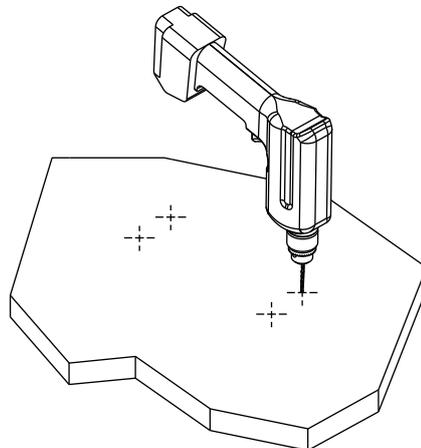
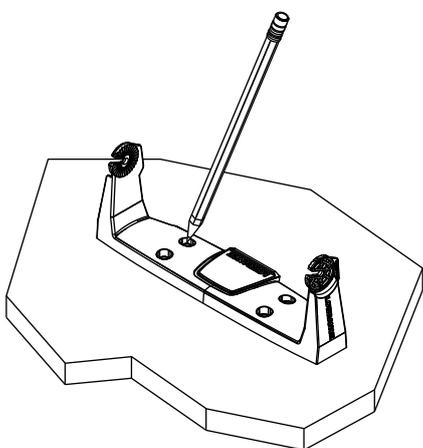
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### In the box



- A Elite FS® unit
- B Plastic gimbal bracket kit – 7" and 9" unit or  
Metal gimbal bracket kit – 10" and 12" unit
- C Sun cover
- D Power cable kit

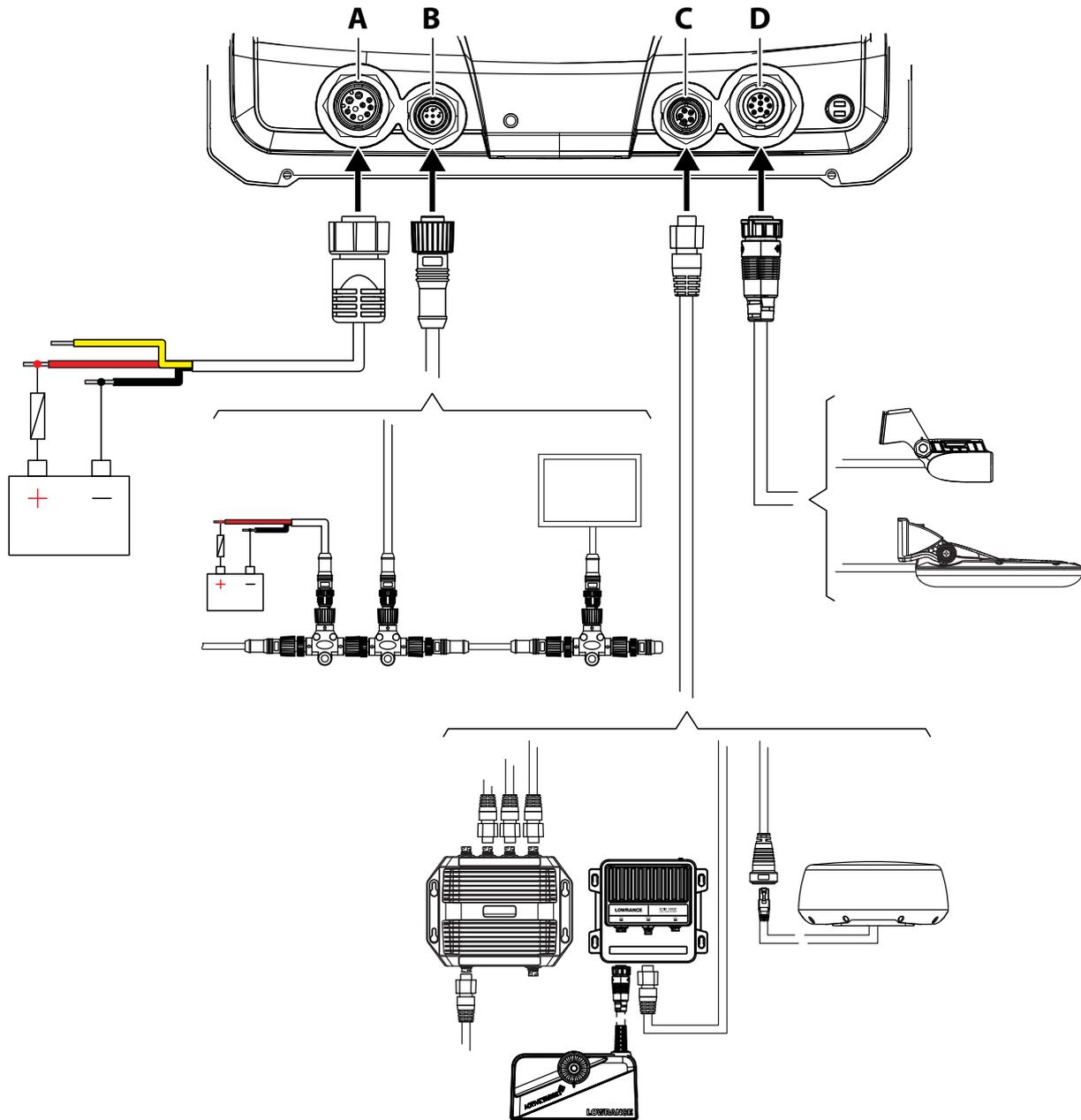
### Gimbal bracket mounting



**⚠ WARNING:** Always wear appropriate eyewear, ear protection, and dust mask when drilling, cutting, or sanding. Remember to check the back side of all surfaces whenever drilling or cutting.

# Wiring

This wiring diagram shows connection examples. Accessories and additional devices are sold separately.



## Power, 10-pin connector (A)

The unit is designed to be powered by 12 V DC. It is protected against reverse polarity, under voltage and over voltage (for a limited duration). A fuse or circuit breaker should be fitted to the positive supply.

Wire color	Purpose
Red	+ 12 V
Black	DC negative
Yellow	Wake up

## NMEA 2000®, Micro-C connector (B)

The NMEA 2000® data port enables the receiving and sharing of data from various sources.

## Ethernet, 5-pin connector (C)

Ethernet interconnects high bandwidth devices such as radar, sonar modules, and other displays. Connection of network devices can be made directly to the Ethernet port, or via a network expansion device.

## Sonar, 9-pin connector (D)

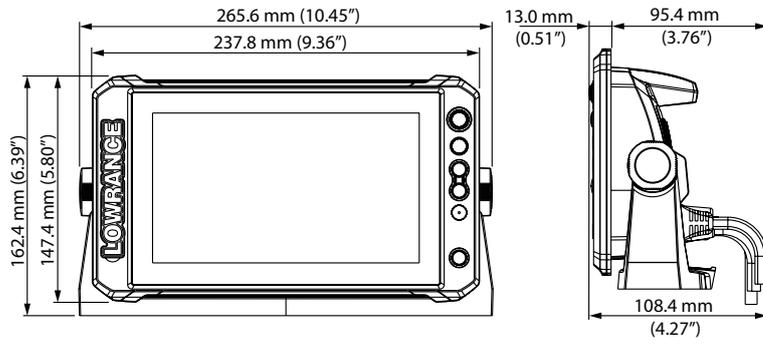
A 7-pin transducer cable can be connected to a 9-pin port using a 7-pin to 9-pin adapter cable. However, if the transducer has a paddle wheel speed sensor, water-speed data won't display on the unit.

Supports:

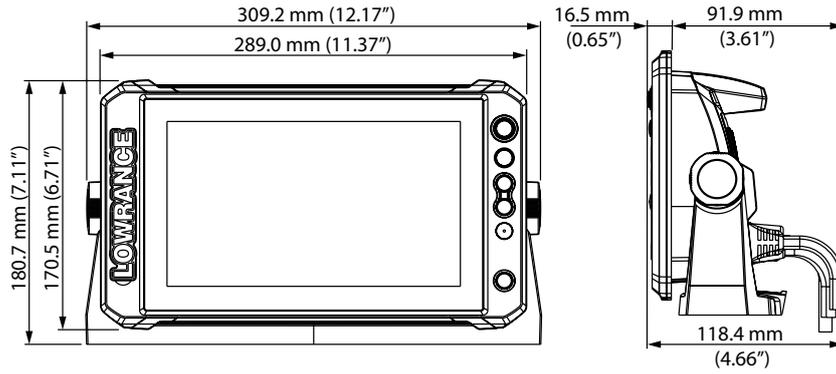
- Sonar / CHIRP sonar
- DownScan / SideScan
- Active Imaging™ / Active Imaging™ 3-in-1
- TotalScan® / StructureScan®
- LiveSight™ via PSI-1

➔ **Note:** ActiveTarget® transducers are supported via its external module connected to the Ethernet network.

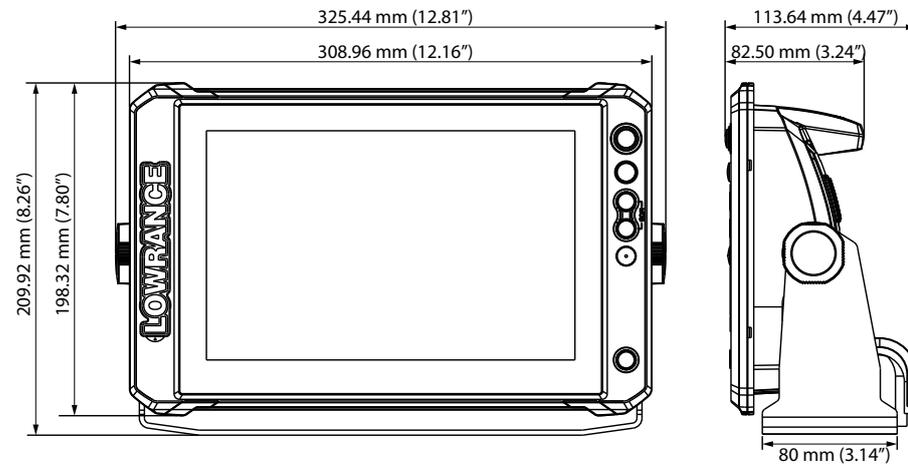
### 7" unit



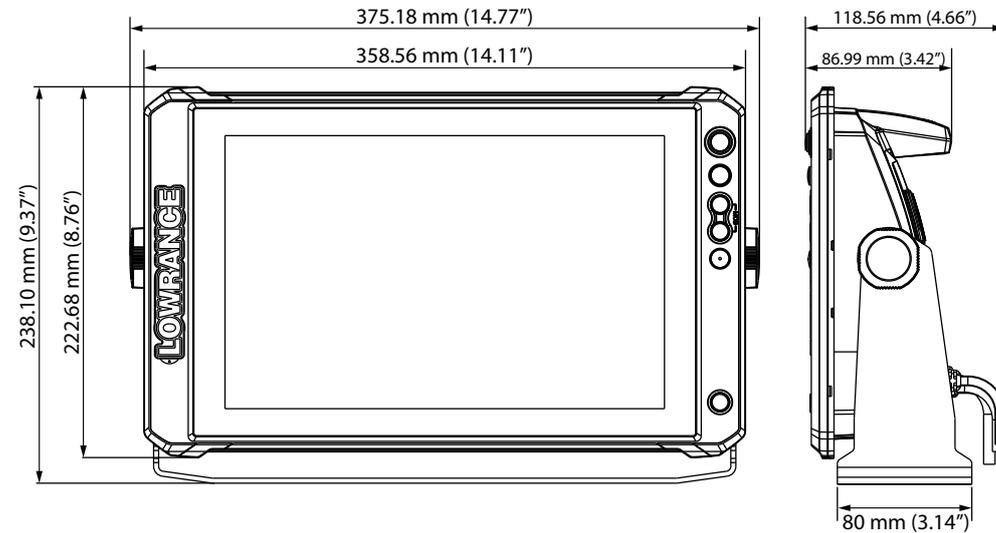
### 9" unit



### 10" unit



### 12" unit



## Technical specifications

	7"	9"	10"	12"
<b>Environmental</b>				
Operating temperature range	-15°C to 55°C (5°F to 131°F)			
Storage temperature	-20°C to 60°C (4°F to 140°F)			
Waterproof rating	IPx6 and IPx7			
<b>Electrical</b>				
Supply voltage	12 V DC (10.8 - 17 V DC min - max)			
Fuse rating	3 A			
Power consumption (maximum)	28 W (2 A at 13.8 V DC)		34.5 W (2.5 A at 13.8 V DC)	
<b>Display</b>				
Resolution	800 x 480		1280 x 800	
Viewing angles in degrees	50° top, 60° bottom, 70° left/right		85° top/bottom, 85° left/right	
Brightness	> 1200 nits			
Touch screen	Multitouch			
<b>Physical</b>				
Weight (display only)	0.9 kg (2 lbs)	1.2 kg (2.7 lbs)	1.6 kg (3.5 lbs)	2.3 kg (5.1 lbs)
Compass safe distance	0.5 m (1.6 ft)		65 cm (2.1 ft)	
<b>Interface/Connectivity</b>				
NMEA 2000®	1 port (Micro-C connector)			
Data card reader	1x slot (microSD®, SDXC™)			
Ethernet	1 port (5-pin Ethernet connector, 100Base-T)			
Sonar	1 port (9-pin connector)			
Wi-Fi® internal	802.11b/g/n			
Bluetooth®	4.0 with support for Bluetooth® Classic			
GPS	10Hz high speed update WAAS, MSAS, EGNOS, GLONASS			