

## Y58 QUICK INSTALL GUIDE

### MOUNTING

- Mount the Y58 in the vehicle's cabin area where there is environmental control (i.e. heating and/or air-conditioning).
- Secure the Y58 to interior surfaces using the Tek Screws provided for mounting.
- All cables running through holes in sheet metal (ceiling, bulkhead, etc.) must be protected with grommets.
- Ensure that the device is mounted where it is not easily accessible by non-authorized personnel.
- DO NOT orient the device such that the drive caddy handle faces the floor of the vehicle.
- DO NOT disassemble the device. There are no user serviceable parts inside, and removing the cover of the Y58 will void the device's warranty.

### POWER SUPPLY

- The Y58 operates between 6V ~ 36V. Please ensure a regulated, consistent power source is available for the device.
- The power supply cable connects to the back of the device through a 9-pin power input-output connector (CAB000360). The power source should be clean and (preferably) connected directly from the battery or the power bus.
- The supplied fuses MUST be used; Failure to use the provided fuses will void the device's warranty.
- The 3AMP fuse must be installed close to the power source on the Yellow Ignition wire on CAB000360
- The 15AMP fuse must be installed as close as possible to the source on the Red (+12V) wire on CAB000360

### SENSOR CONNECTIONS

- GPS Connection - The device is equipped with a connection port for an external GPS antenna. The GPS must be connected in order to embed vehicle location and vehicle speed information with the video. The GPS antenna should be installed on the exterior roof of the vehicle with a clear view of the sky
- ICD Connection - The 10-pin ICD connector (CAB000391) is used to connect the ICD to provide a touch-screen interface.
- Driver Alert Button Connection - The tri-color Driver Alert Button (G4-Y58-DrvAlert) is connected using the 4-Pin connector (CAB000371) to the Serial Cable (CAB000458).
- External Sensor Module Connection - The ESM is connected to the Serial Cable (CAB000458) to provide support for an additional 8 sensor inputs (9 – 16), and 2 sensor outputs.

CAB000459		
Sensor Wire and Color	Sensor	OSD Name
SENSOR_IN1 (Yellow)	Brake	BK
SENSOR_IN2 (Orange)	Warning Lights	WN
SENSOR_IN3 (Black)	Stop Arm	SA
SENSOR_IN4 (White)	Door	DR
SENSOR_IN5 (Blue)	Left Turn	LT
SENSOR_IN6 (Red)	Right Turn	RT
SENSOR_IN7 (Green)	Extra1	EX1
SENSOR_IN8 (Brown)	Extra2	EX2

### CONFIGURATION

- Y58 configuration menus (when using the ICD, Finger Mouse, or IR Remote control interfaces) are accessed from:
  - Main Menu → Setup / Config
- When connecting wirelessly through the Android compatible G4 Connect™ app., configuration menus are accessed from:
  - Preferences → Config
- Enter the following login information when prompted:
  - User ID: admin
  - Password: admin

### Y58 Channel Configuration Matrix

AHD Configuration Limitation Matrix					
Channel 1 AHD	Channel 2 AHD	Channel 3 AHD	Channel 4 AHD	Channel 5 AHD	Channel 6 AHD
1080P	1080P	1080P	1080P	X	X
1080P	720P	1080P	1080P	X	X
720P	1080P	1080P	1080P	X	X
720P	720P	1080P	1080P	720P	720P
720P	720P	720P	720P	720P	720P

A complete list of channels configuration is available at

<https://www.gatekeeper-systems.com/wp-content/uploads/2020/02/Y58-channel-configuration-matrix-new.pdf>

### CABLING DIAGRAM

