Codan 3040 Automatic Whip Antenna

Codan 3040 Automatic Whip Antenna



Codan 3040 Automatic Whip Antenna is a Low Profile alternative to the highly successful 9350, and operates with both the NGT and 2110 family of radios. With a 70% reduction in height and almost half the weight of a 9350, the 3040 provides fl exibility to installations.

Rugged design The Codan 3040 is built to withstand severe conditions experienced in deployed environments around the world. It meets MIL-STD-810F for Temperature, Immersion, Vibration and Dust, which ensures the 3040 will provide reliable operation and consistent tuning whilst traversing a types of terrain.

Fast performance During operation, the 3040 offers a tune time twice as fast as the 9350 and a memory tune 12 times as fast. The unit is supplied with a stainless steel spring, fi bre glass riser and a selection of either Stainless Steel or Fibre Glass Whip Antennas, with an optional NVIS (Near Vertical Incident Skywave) Antenna kit.

- ✓ 2 30 MHZ
- 125 W PEP (5TX)
- Tunes 2.4 and 4.4 M (NVIS) whip antenna lengths
- Fast tuning 1 sec average
- Memory tune < 150 ms
- Supports ALE and frequency hopping modes
- ✓ Integral Active Wideband Receiver Amplifi er for scanning 🖼
- MIL-STD-810F (Temperature, Immersion, Vibration, Dust)
- Designed to MIL-STD-461

Specifications

General	
Frequency	2.5-30 MHz (2.4 m Whip), 2-15 MHz (4.4 m NVIS)
range	
Power rating	125 W PEP (voice and data)
Power	Typically 0.4 A, less than 0.8 A max



Consumption Input SO Q Impedance VSWR Typically <1.5:1				
impedance VSWR Typically <1.5:1 Tuning speed Memory Channels Mechanical Temperature -40°C to 70°C, 95% humidity rating DC operating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR MODERNICATION Designed to standard 461 Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- 08-07007- 08-07008- 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-0503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	•			
VSWR Typically <1.5:1 Tuning speed Memory Channels Mechanical Temperature rating DC operating range Protection MIL-STD- 461 Dimensions Meight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- 001 3040 08-07008- 001 78-18058 Riser, fibreglass, 0.8 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)		50 Q		
Tuning speed Memory channels Mechanical Temperature rating DC operating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Moreoperating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Moreoperating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Moreoperating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Moreoperating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Moreoperating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Moreoperating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Moreoperating range Protection Open circuit, short circuit, over voltage, over temperature, voltage, voltage, over temperature, voltage, over temperature, voltage, voltage, over te	-			
Memory channels				
Memory channels Mechanical Temperature -40°C to 70°C, 95% humidity rating DC operating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR MODERNICATION OPEN CIRCUIT OP	0	New frequency 1 sec average, memory tune <150 ms		
Channels Mechanical Temperature rating DC	•			
Mechanical Temperature -40°C to 70°C, 95% humidity rating DC operating range Temperature rating Temperature -40°C to 70°C, 95% humidity rating DC 11-15.5 V DC (12 V DC nominal) Operating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Mounting Mile-std M		Unlimited		
Temperature rating DC operating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR MOORMEDICALE STD- derature, Immersion, Dust, Vibration B10F MIL-STD- Designed to standard Mil-STD- Designed to standard 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- O01 3040 08-07008- O01 78-18058 Riser, fibreglass, 0.8 m 78-23086 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- O06 08-01503- 3040 to NGT control cable, 6 m (UHF to UHF)	01101111010			
rating DC operating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR IMPORTAGE Perature, Immersion, Dust, Vibration 810F MIL-STD- Designed to standard 61 Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- O01 3040 08-07008- O01 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m Manual (English) EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- O06 08-01503-				
operating range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Monamphication Perature, Immersion, Dust, Vibration 810F MIL-STD- 461 Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- 001 3040 08-07008- 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503- 3040 to NGT control cable, 6 m (UHF to UHF)		-40°C to 70°C, 95% humidity		
range Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR Information Perature, Immersion, Dust, Vibration 810F MIL-STD- 461 Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- 001 3040 08-07008- 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503-	DC	11-15.5 V DC (12 V DC nominal)		
Protection Open circuit, short circuit, over voltage, over temperature, voltage transients, high VSWR IMPORTATION Perature, Immersion, Dust, Vibration 810F MIL-STD- Designed to standard 461 Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- Automatic Whip Antenna 08-07008- Spring 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	operating			
voltage transients, high VSWR INPORTATION Perature, Immersion, Dust, Vibration 810F MIL-STD- 461 Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- 001 3040 08-07008- 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)				
MIL-STD- 461 Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- 001 3040 08-07008- 001 Spring 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503- 3040 to NGT control cable, 6 m (UHF to UHF)		voltage transients, high VSWR		
MIL-STD- 461 Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- 001 3040 08-07008- 001 Spring 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503- 3040 to NGT control cable, 6 m (UHF to UHF)	<u> Thologyniphica</u>	ion Perature, Immersion, Dust, Vibration		
Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- Automatic Whip Antenna 08-07008- Spring 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)				
Dimensions 145 mm W x 165 mm D x 240 mm H (excludes spring and whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components 08-07007- Automatic Whip Antenna 08-07008- Spring 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 3040 to NGT control cable, 6 m (UHF to UHF)	_	Designed to standard		
Whip) Weight 3.15 kg including spring and whip Mounting M14 stud, 40 mm long Colour Black Components Automatic Whip Antenna 001 3040 Spring 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166-		145 mm W x 165 mm D x 240 mm H (excludes spring and		
Mounting M14 stud, 40 mm long Colour Black Components 08-07007- 001 3040 Automatic Whip Antenna 08-07008- 001 Spring 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Manual (English) Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)		whip)		
Colour Black Components 08-07007- 001 3040 Automatic Whip Antenna 08-07008- 001 Spring 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Manual (English) Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)				
Components 08-07007- 001 3040 Automatic Whip Antenna 08-07008- 001 Spring 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Manual (English) Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	Mounting	M14 stud, 40 mm long		
08-07007- 001 3040 Automatic Whip Antenna 08-07008- 001 Spring 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Manual (English) Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	Colour	Black		
001 3040 08-07008- 001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	Components			
001 78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- Manual (English) EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 3040 to NGT control cable, 6 m 006 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)		Automatic Whip Antenna		
78-18058 Riser, fibreglass, 0.8 m 78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- Manual (English) EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	08-07008-	Spring		
78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- Manual (English) EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	001			
78-23085 Whip, fibreglass, 1.6 m 78-23086 Whip, stainless steel, 1.6 m 15-04166- Manual (English) EN Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	78-18058	Riser, fibreglass, 0.8 m		
15-04166- Manual (English) Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	78-23085			
15-04166- Manual (English) Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	78-23086	Whip, stainless steel, 1.6 m		
Accessories 78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)		·		
78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)				
78-14010 NVIS Antenna Kit 05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)	Accessories			
05-07958 Adaptor, NVIS tilt 08-05627- 006 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)				
08-05627- 006 08-01503- 3040 to NGT control cable, 6 m 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)				
006 08-01503- 3040 to NGT coaxial cable, 6 m (UHF to UHF)		• •		
, , , , , , , , , , , , , , , , , , , ,				
	08-01503-	3040 to NGT coaxial cable, 6 m (UHF to UHF)		
	006			

2745 ±25

