



assuredcommunications®

AN/PRC-152(C)
Accessory Guide





*Make your 152 more versatile
with radio accessories.*



Antennas



12041-2700-01* | Broadband Whip Antenna

A short "rubber duck" style antenna covering the full 30-512 MHz frequency range of the AN/PRC-152(C) handheld radio for multiband operations. With full frequency range coverage, this antenna provides maximum flexibility. Length: 13 3/16 inches



12011-2700-01* | 1-Meter VHF Blade Antenna

The 1-meter (3.3 ft) VHF blade antenna with a gooseneck base provides increased gain and communications range when operating the AN/PRC-152(C) handheld radio in the 30-108 MHz VHF frequency band.



12031-2700-01 | UHF Whip Antenna

A short "rubber duck" style antenna covering the 225-450 MHz UHF frequency band. Length: 9 1/8 inches



RF-3163-AT001 | SATCOM antenna

This SATCOM-on-the-move antenna attaches directly to the AN/PRC-152(C), allowing low profile mobile SATCOM in geographically advantageous locations. The antenna includes a low noise amplifier (LNA) that can be selectively activated via the front panel of the radio to provide amplification of low power signals. May not be suitable for all applications, contact a sales representative for more details.



12041-6550-01** | GPS Antenna

A removable active antenna designed for use with AN/PRC-152(V)2(C) models containing an internal GPS receiver.



10511-0400-01 | GPS Flat Package Antenna

This GPS antenna is a small active antenna with 1.8-meter pendant cable. The cable has an SMB female connector to attach to AN/PRC-152(V)2(C) radios containing an internal GPS receiver.



12049-0500-01 | Antenna Adapter Switch

This "T-connector" allows the user to quickly attach an antenna with BNC cable to the handheld radio without disconnecting the broadband whip antenna. The adapter contains TNC-male, TNC-female, and BNC-female connectors. When a BNC cable is connected to the adapter, an internal high-performance switch automatically directs RF signals to attached BNC device. The adapter is compatible with existing BNC cables.

Assemblies and Adapters



12053-1400-A1 | RF Interconnection Cable (TNC-BNC)

This RF cable includes a 90-degree TNC connector for attachment to the AN/PRC-152(C) and a BNC connector for attachment to the AN/VRC-110 power amplifier. Cable length: 7.5 inches



12053-1420-A1 | RF Interconnection Cable (BNC-BNC)

This cable is used for vehicular installations that include the use of the 12049-0500-01 Antenna Adapter Switch. This RF cable includes two BNC connectors for attachment between the vehicular power amplifier and the Antenna Adapter Switch. Cable length: 7.5 inches



12053-6000-01 | Shock Mount Interface Assembly

The Shock Mount Interface Assembly (SIM) interfaces the AN/VRC-110 vehicular amplifier adapter to a standard MT-6352 SINCGARS mounting base. The SIM connects into the mounting base and distributes vehicular power and intercom signals (VIC-1, VIC-3 compatible) from the MT-6352 shock tray to connectors that attach to the vehicular amplifier adapter.



12053-6400-01 | KVL3000+ Adapter Cable

For users that have ordered the optional P25 waveform for the AN/PRC-152(C), this adapter cable provides an interface between the radio side connector and a KVL3000+ key fill device. Use of the adapter allows loading of Type III P25 DES and AES keys.



RF-5911-PS001 | AA Battery Adapter

This adapter provides the ability to utilize commercially available AA batteries to power the AN/PRC-152(C). Connecting directly to the radio, the adapter can provide in excess of 8 hours of battery life at typical duty cycles from a single set of batteries.

Batteries, Chargers, and Power Adapters



RF-5853-CH001 | Single-Bay Battery Charger

RF-5853-CH002 | Dual-Bay Battery Charger

RF-5853-CH006 | Six-Bay Battery Charger

These single-, dual- and six-bay battery chargers are compatible with the 12041-2100-02 Lithium-Ion handheld battery and have a typical charging time of six hours. The chargers have integrated battery conditioning and battery recovery capability that can be push-button activated as needed. Front panel indicators identify the battery charge, conditioning, and fault status. The desktop chargers are provided with U.S. and European power cords.



12041-2100-02 | High-Capacity Rechargeable Lithium-Ion Battery

This rechargeable, high-capacity Lithium-Ion battery is used with the AN/PRC-152 handheld radio. This advanced battery has a "smart" battery interface to provide an accurate measure of the remaining charge. One 12041-2100-02 comes standard with each radio model.



RF-5912-PS001 | DC Adapter / Charger

This adapter attaches directly to the AN/PRC-152(C) and allows the radio to be powered from a wide range of DC power inputs (10.5 – 32 VDC), including BB-5590 and BB-2590s. The adapter also supports simultaneous recharging of an attached 12041-2100-02 high-capacity rechargeable Lithium-Ion battery. A 15 foot unterminated cable is included with the adapter. The back of the adapter includes points for vehicular mounting.

Cables



12041-7110-A1 | Data and Remote Control Cable

This cable is used to connect the AN/PRC-152(C) to a computer for remote control (RS-232) and synchronous (DTE) data applications. The "Y-cable" features 25-pin and 9-pin D connectors for attaching to data devices. Cable length: six feet



12041-7220-A1 | USB Programming Cable

The USB programming cable is used to connect the AN/PRC-152 to a computer when loading waveforms and plan data into the radio. The USB interface permits drag-and-drop programming of the radio. Cable length: six feet



12041-7130-A1, 12041-7130-A2 | Retransmission Cables

The retransmission cables are used when connecting two AN/PRC-152(C) radios in a repeater configuration. A high-power retransmission system can be created by using these cables with the AN/VRC-110 50-watt vehicular power amplifier. Internal co-location filtering in the AN/VRC-110 power amplifier reduces the need for external filters. These cables are available in two lengths: 12041-7130-A1 is 50 feet; 12041-7130-A2 is 32.5 inches (for AN/VRC-110 applications).



12041-7150-A1 | Crypto Programming Cable

The crypto programming cable is used when programming the Sierra™ II reprogrammable cryptographic module embedded within the AN/PRC-152(C) radio. The cable contains a DB-9 connector for interfacing to the crypto loader and a 6-pin circular connector for attaching to the radio audio/fill connector. Cable length: six feet



12041-7170-A006 | External GPS Interface Cable

This cable is used to connect an external GPS receiver to the AN/PRC-152(C) radio for time-of-day synchronization and position reporting operations. The cable is compatible with PLGR and DAGR GPS receivers. Cable length: six feet



12041-7180-A006 | PPP Data Cable

This cable is used to connect an external computer to the AN/PRC-152(C) radio for data applications such as Harris wireless messaging terminal RF-6760W-HPW. Cable length: six feet

Holsters and Accessory Bags



RF-5932-CA001 | Handheld Radio Holster (camo)

RF-5932-CA002 | Handheld Radio Holster (black)

The lightweight radio holster is made of durable Cordura® fabric and incorporates Molle straps or Alice clips for attachment to a variety of load-bearing vests and other gear. The radio can be secured in the holster to prevent loss during operations. Openings in the front and side of the holster provide access to radio interface and data connections, allowing full operation of the radio while it is secured in the holster.



RF-5933-CA001 | Handheld Radio Flip-down Holster (camo)

RF-5933-CA002 | Handheld Radio Flip-down Holster (black)

This holster is made of durable nylon fabric and incorporates Molle straps for attachment to a variety of load-bearing vests and other gear. The flip-down feature of the holster allows the user to access the radio front-panel keypad and display without removing the radio from the holster. Openings in the side of the holster provide access to radio interface and data connections, allowing full operation of the radio. The radio can be secured in the holster to prevent loss during operations.



12041-1595-01 | Accessory Bag

The lightweight accessory bag is made of durable nylon and incorporates Molle straps for attachment to a variety of load-bearing vests and other gear. The outside pocket accommodates a holstered radio while the inside pockets are large enough to accommodate several accessories, including spare batteries, antennas, and headsets. Length: 9 (wide) x 15 (height) x 5 (deep) inches

Lightweight Headsets



RF-3020-HS001 | Submersible Headset

A single push-to-talk switch is included and is typically chest mounted, using the attached clothing clip. The headset is submersible to one meter and is designed to meet tactical environmental conditions.



RF-3020-HS002 | Submersible Headset With Sniper Switch

This headset has two push-to-talk switches. One switch is typically chest mounted, using the clothing clip for attachment. The second push-to-talk switch is silent (sniper switch), typically worn on the palm. The headset is submersible to one meter and is designed to meet tactical environmental conditions.



RF-3020-HS003 | Headset

A single push-to-talk switch is included and is typically chest mounted, using the attached clothing clip. The headset is weather-proof but not submersible, and is designed to meet tactical environmental conditions.



RF-3020-HS004 | Headset With Sniper Switch

This headset has two push-to-talk switches. One switch is typically chest mounted, using the clothing clip for attachment. The second push-to-talk switch is silent (sniper switch), typically worn on the palm. The headset is weather-proof but not submersible, and is designed to meet tactical environmental conditions.



RF-3021-HS001 | Padded Earpiece Headset

Lightweight, tactical headset consisting of a single padded earphone that is open for air circulation and allows the user to listen to the surrounding environment. The attached microphone is on an adjustable gooseneck boom. It is worn on the head using an adjustable cloth web and straps. A single push-to-talk switch is included and is typically chest mounted, using the attached clothing clip. The headset is weather-proof but not submersible, and is designed to meet tactical environmental conditions.



RF-3021-HS002 | Padded Earpiece Headset With Sniper Switch

This headset consists of a single padded earphone that is open for air circulation and allows the user to listen to the surrounding environment. The attached microphone is on an adjustable gooseneck boom. It is worn on the head using an adjustable cloth web and straps. This headset has two push-to-talk switches. One switch is typically chest mounted, using the clothing clip for attachment. The second push-to-talk switch is silent (sniper switch), typically worn on the palm. The headset is weather-proof but not submersible, and is designed to meet tactical environmental conditions.



RF-5961-HS003 | Security Force Communication Set

The Security Force Communication Set consists of an ultra-lightweight, over-the-ear earpiece, a micro push-to-talk switch, and a lapel-clipped microphone. It is ruggedized, but is not intended for sustained use in tactical environments. The Security Force Communication Set is ideal for paramilitary organizations such as law enforcement agencies and border patrol.

Manuals and Software

10515-0283-4000 | AN/PRC-152 SINCGARS Pocket Guide

10515-0283-4100 | AN/PRC-152 Quick Reference Manual

10515-0324-4200 | RF-300M-HV System Installation Maintenance Manual

10515-0324-4300 | RF-300M-HV Intermediate Maintenance Manual



10515-0283-7100 | Computer-Based Training DVD

This computer-based training DVD is a training aid that teaches AN/PRC-152 operation using pre-recorded lessons conducted by a Subject Matter Expert (SME). Viewers can navigate through the many instructional lessons on the DVD to focus on the topics of interest.



10515-0283-7200 | IMITS Training CD

The Integrated Multimedia Interactive Training System (IMITS) software application is a training aid that teaches AN/PRC-152(C) Level I / II operation and programming using an interactive virtual on-screen radio. The software also provides audio and video instruction to guide the student through each lesson and includes student tracking to ensure that the operator is properly learning to use the radio. The stand-alone software runs on a standard Microsoft® Windows-based computer and does not require connection of the radio to operate.

12041-1030-01 | Crypto Reprogramming Kit

This kit contains the items necessary to reprogram the Sierra™ II reprogrammable crypto module embedded within the AN/PRC-152(C) radio. Included in the kit is the Sierra terminal programming software on CD-ROM, one 12041-7150-A1 Sierra II programming cable, and instruction manual.

12041-1040-01 | Mission Fill Kit

This kit contains the items necessary to load mission plans into the AN/PRC-152(C) radio. Included in the kit is the RF-6550M Radio Programming Application (RPA) software on CD-ROM, one 12041-7160-A1 cable, one 12041-7220-A1 USB programming cable, and instruction manual.

12041-8140-01 | APCO P25 Option

This software-only waveform option provides the APCO P25 waveform, enabling civilian interoperability across manufacturers and between a wide variety of local and federal agencies. The waveform includes analog and digital conventional (IMBE) modes of operation in both the VHF and UHF P25 bands. P25 can be operated in either PT or with included Type III DES encryption.



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Harris RF Communications Division is a leading supplier of secure voice and data communications products, systems, and networks to military, government, and commercial organizations worldwide. Harris Corporation is an international communications and information technology company serving government and commercial markets in more than 150 countries. Headquartered in Melbourne, Florida, the company has annual revenue of about \$4 billion and more than 14,000 employees — including more than 6,000 engineers and scientists. Harris is dedicated to developing best-in-class assured communications™ products, systems, and services for global markets, including government communications, RF communications, broadcast communications, and wireless transmission network solutions. Additional information about Harris Corporation is available at www.harris.com.



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