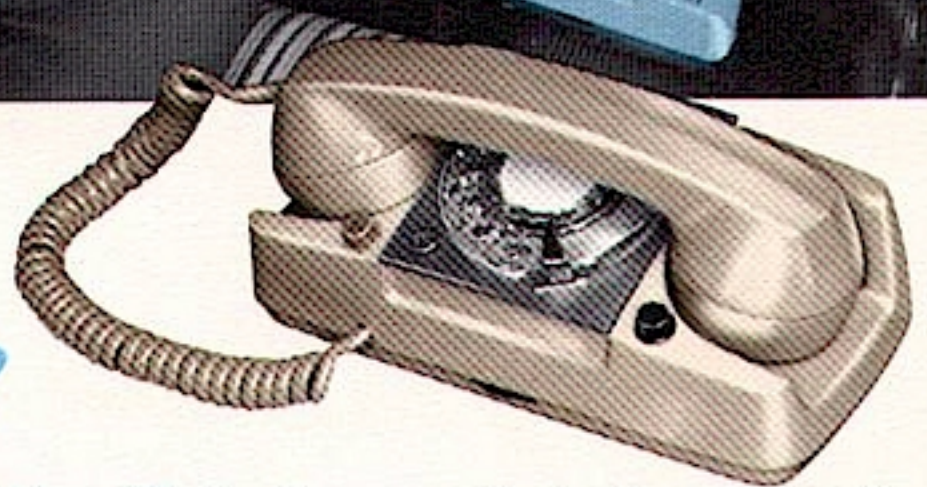


cambridge car telephone



Add Profit to Driving!



Install an ARC Cambridge Car Telephone

This attractive telephone unit has been designed for your car . . . lets you call and get calls from anyone with a phone . . . anywhere!

FEATURES

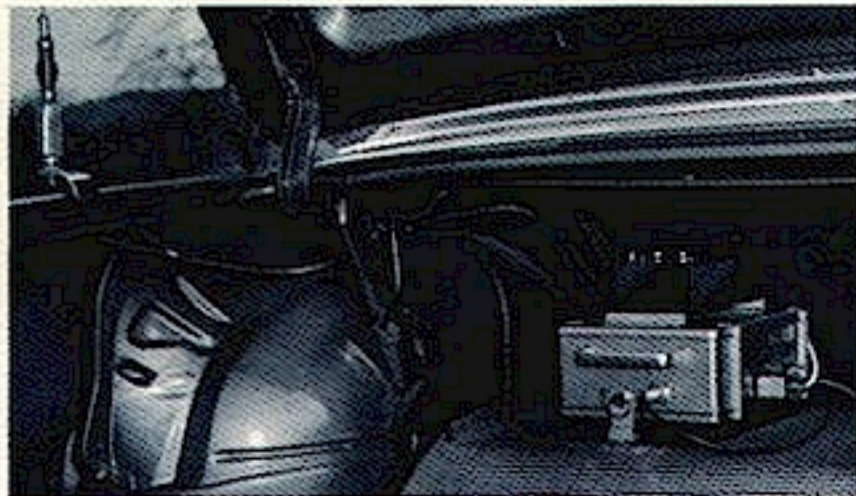
- Works with all U. S. telephone systems.
- Meets all FCC requirements.
- Plenty of power for calls anywhere.
- Four channels for maximum convenience. When one channel is busy, choose another.
- Lighted dial indicates channel selected.
- Your own individual 7-digit phone number.
- Green message-light stays on . . . lets you know you were called in your absence.
- Handy volume control for hearing ease.
- Four decorator colors: white, sand, blue, ivory.
- Fully transistorized receiver and power supply for low battery drain.

See reverse for complete story

Aircraft Radio Corporation
BOONTON, NEW JERSEY

You Can Communicate with . . .





cambridge

car telephone



TELEPHONE COMPANY SERVICE

with your Cambridge

Your local telephone company can make available to you their ready-made facilities for car-phone usage and will tie your Cambridge in to four available frequencies. All you do to make a call is pick up your push-to-talk Cambridge handset, select your channel, and dial operator (or push the button on the handset). She, in turn, will connect you to *any* phone subscriber you want . . . mobile or land-line . . . *by number*.

You are signalled with a buzz when there's an incoming call. There's no need to wait through common 2-way radio chatter for your call. Pick up your phone and proceed as usual.

The cost for telephone company service itself is identical with land-line telephone company rates as controlled by the FCC.

RADIO COMMON CARRIER SERVICE

with your Cambridge

As an alternate to the telephone company service described, you may prefer to utilize the services of a Radio Common Carrier (RCC) with your Cambridge Car Telephone. Subscribers to the RCC services are tied into the local telephone company *as well as* to the RCC base station and all vehicles on the RCC's assigned frequencies. In addition, the RCC provides complete independent systems for multi-vehicle operation *without* a subscriber base station.

Best of all however, for Cambridge users, is the availability of the RCC answering service and call-light service. Just leave your system "on" when you leave your car. If a call comes in the green light will turn on. Get your RCC operator and, if pre-arranged, she'll give you your message! Investigate *your* local RCC.

About the ARC Cambridge Car Telephone

The ARC Cambridge consists of a beautiful, practical phone handset with all controls and a remote unit containing the transmitter-receiver and a digital decoder. The remote unit may be installed in a horizontal or vertical position in any vehicle providing 12 VDC power. The transmitter power supply and modulator, the receiver and the decoder are transistorized for fast warm-up and trouble-free service.

The receiver incorporates a squelch circuit which eliminates background noise in the absence of a signal and features a sealed IF Block Filter for improved selectivity.

The digital decoder provides standard telephone company two-tone transitional 600/1500 cps signalling plus squelch, volume and level controls, pre-set for each installation.

The handset controls include the channel selector, a combined on-off channel selector switch, volume control, a lighted dial that indicates selected channel, and transmit and call lights. The cradle is precisely engineered for easy access, yet holds the handset in place over roughest terrain.

SPECIFICATIONS

GENERAL

SERVICE
VHF-FM

FCC TYPE
7010 UFXVZ-T

FREQUENCY RANGE
150 - 174 mc (4 channels)

POWER REQUIREMENTS
12 VDC Positive or Negative Ground

POWER CONSUMPTION
Receive: 2.0 amps
Transmit: 5.95 amps
Intermittent Battery Drain;
0.46 amps for Crystal Heater

DIMENSIONS
Main Unit 9½" x 14¼" x 5¾"
Telephone Control 4½" x 8½" x 5"
MTS Decoder 4" x 7¼" x 1¾"

INSTALLED WEIGHT
20.3 lbs.

TRANSMITTER

POWER OUTPUT
15 watts

FREQUENCY STABILITY
± .0005% Assigned Carrier Frequency

MODULATION
Adjustable Up to 15 kc

DISTORTION
Less 10% at 1000 cps at 70% maximum rated deviation

AUDIO RESPONSE
+1 to -3 of 6 db octave from
300 - 3000 cps

SPURIOUS & HARMONIC EMISSION
70 db below carrier

FM HUM & NOISE
45 db below ±3.3 kc
Deviation at 1000 cps

RECEIVER

SENSITIVITY
0.4 μv(pd) for 20 db variety

ADJACENT CHANNEL SELECTIVITY
Single Signal 85 db
Two Signal 70 db

FREQUENCY STABILITY
Same as Transmitter

SPURIOUS & IMAGE REJECTION
More than 70 db

AUDIO OUTPUT
2 watts with not more than 5% distortion at 1000 cps

MTS DIGITAL DECODER

SIGNALLING METHOD
Bell Standard two-tone transitional,
600/1500 cps

SIGNALLING SPEED
8 to 22 P.P.S.

MINIMUM INPUT LEVEL
1.5 volts RMS

INPUT IMPEDANCE
4 ohms

OPTIONAL FEATURES

TELEPHONE UNIT AVAILABLE IN:
white - blue - sand - ivory

MAIN UNIT
easily converted to any
150 - 174 mcs business services



Aircraft Radio Corporation

BOONTON, NEW JERSEY

DEPENDABLE ELECTRONIC COMMUNICATIONS EQUIPMENT SINCE 1928