

## 2C VIDEO TELEPHONE STATION METHOD OF OPERATION

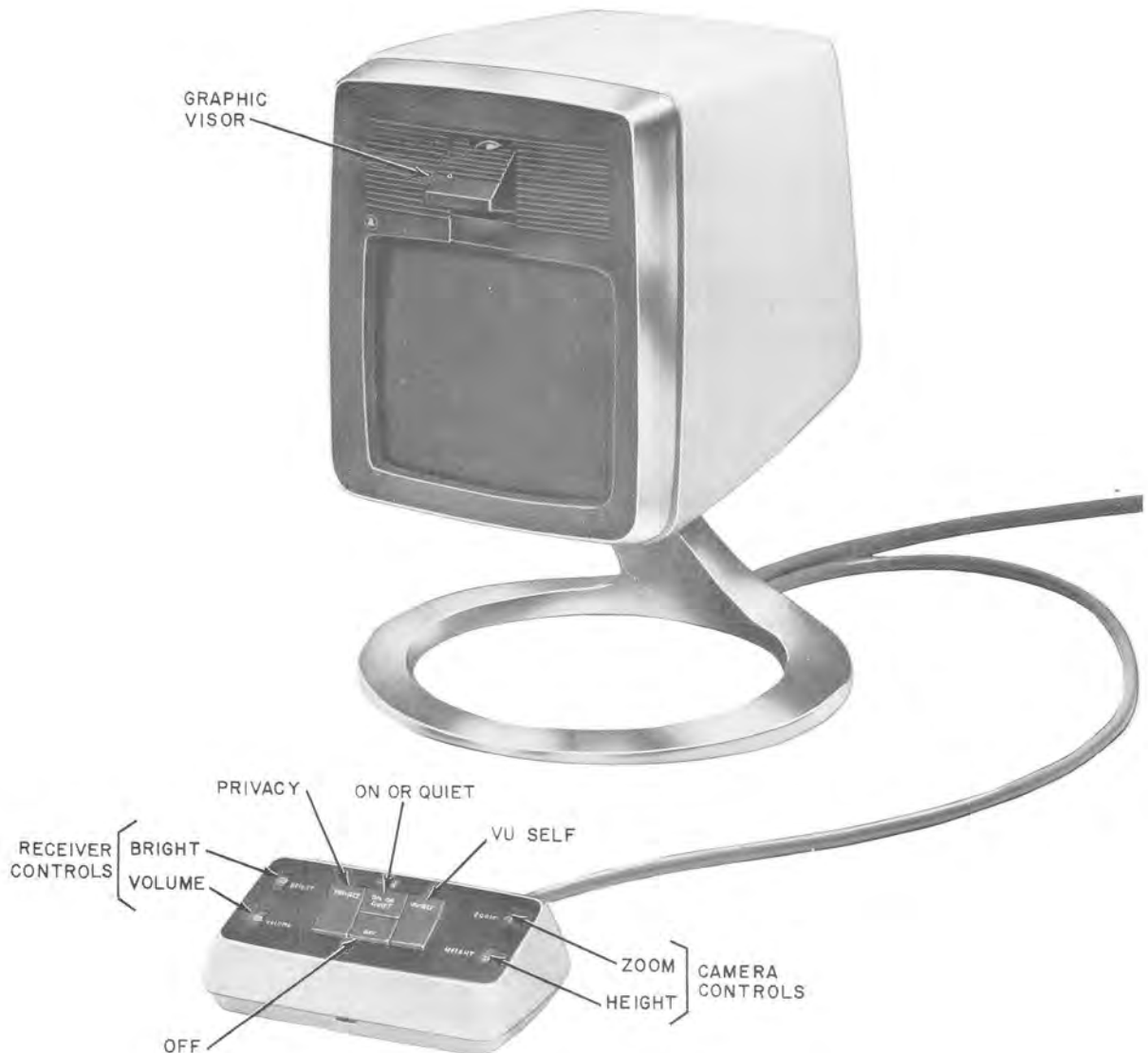


Fig. 1—1A Display Unit and 72A Control Unit

### 1. CONTROLS

#### 1A Display Unit

(a) **GRAPHIC VISOR**—Pull up to open, push down to close, mirror on the underside. Used to transmit image of graphic material positioned on the horizontal surface directly in front of display unit.

#### 72A Control Unit

(b) **ON OR QUIET** Button—Controls speakerphone. Push to turn on set and answer or originate a call. Disables speakerphone transmitter while depressed

(c) **OFF**—Push to turn set off

(d) **VU SELF** Button—Push to view image being transmitted without interrupting transmission to distant party.

(e) **PRIVACY** Button—Push to change image being transmitted to horizontal bar pattern.

**Note:** Pushing the OFF button restores VU SELF and PRIVACY functions to normal.

(f) **ZOOM** Knurled Finger Wheel—Rotate in either direction to change size of image being transmitted;

(g) **HEIGHT** Knurled Finger Wheel—Rotate in either direction to move image being transmitted up or down. Has no effect when ZOOM is at maximum.

(h) **VOLUME** Knurled Finger Wheel—Rotate in either direction to control volume of loudspeaker.

(i) **BRIGHT** Knurled Finger Wheel—Rotate in either direction to control brightness of image on own display unit screen.

## 2. DEFINITION OF TERMS

**Video:** The visual portion of PICTUREPHONE® service.

**Video Telephone Station:** A telephone station capable of handling audio calls and equipped to transmit and receive video signals.

**Single Line Station:** A 2C Video Telephone Station not associated with a 1P2 Key Telephone System.

**Key Telephone Station:** A 2C Video Telephone Station associated with a 1P2 Key Telephone System.

**Primary Station:** A video telephone station served by one or more audio/video lines.

**Secondary Station:** A telephone station having audio access only to an audio/video line. This station can originate or answer audio and video calls for a primary station.

**Primary-Secondary Arrangement:** A bridging arrangement whereby a primary telephone station has access to a central office or PBX video line

and a secondary telephone station has access to the audio portion only of the same line.

**Intercom Station:** A station having access to an audio/video intercom arrangement.

**Controlling Station:** A key telephone set used to initiate add-on conference.

**Priority:** A preferential arrangement in 1P2 Key Telephone Systems for station access to the same CO or PBX video line

**Single Group:** An arrangement where all primary stations in the group are arranged for priority in video access.

**Multigroup:** An arrangement consisting of two or more single groups each of which has random access to a single video line on a first come first served basis. The priority arrangement is retained within each single group.

**Locked Out:** Not able to gain access to audio/video line.

## 3. METHOD OF OPERATION

### SINGLE LINE STATIONS

#### (a) *To Originate a Video Call*

(1) Depress ON button on 72A control unit (lamp on unit will light) or lift telephone handset and listen for dial tone. Using TOUCH-TONE® dial, depress number sign (#) and then the desired telephone number.

(2) Position self in front of display unit. When distant party answers, check image being transmitted by depressing VU SELF button on 72A control unit and adjust image by operating controls marked ZOOM and HEIGHT. Restore VU SELF button to normal.

(3) When called party answers, BRIGHT and VOLUME controls may be used to adjust incoming signals.

(4) Adjustments for size and position must be made by distant party.

(5) When call is completed, depress OFF button on 72A control unit or hang up handset if off-hook.

**(b) To Answer an Incoming Video Call**

- (1) Depress ON button on 72A control unit (lamp on unit will light) or lift telephone handset in response to the distinctive video call tone ringer signal.
- (2) Position self in front of display unit. When necessary, check image being transmitted by depressing VU SELF button on 72A control unit and adjust image by operating controls marked ZOOM and HEIGHT. Restoring VU SELF button to normal returns distant party image to display screen.
- (3) When call is completed, depress OFF button on 72A control unit or hang up handset.

**(c) To View Graphic Material**

- (1) Position material on desk directly in front of display unit.
- (2) Depress VU SELF button, open GRAPHIC VISOR by pulling out its bottom edge, and center material. Set can be left in VU SELF mode so that both parties see the same image, or returned to normal so that distant party image is returned to the display unit screen. To return to normal from graphic mode, close graphic visor.

**(d) To Originate an Audio Call**

- (1) Depress ON button on 72A control unit (lamp on unit will light), or lift telephone handset. Using TOUCH-TONE dial, call desired telephone number.
- (2) Call will proceed in normal manner (display unit screen will remain dark).
- (3) When call is completed, depress OFF button on 72A control unit or replace telephone handset if off-hook.

**(e) To Answer an Incoming Audio Call**

- (1) In response to signal, depress ON button on 72A control unit (lamp on unit will light) or lift telephone handset and proceed in normal manner.

- (2) When call is completed, proceed as in (b) (3).

**1P2 KEY TELEPHONE SYSTEM STATIONS****(a) To Originate a Video Call (Primary Station)****Central Office Call**

- (1) Depress line key associated with video line. Depress ON button on 72A control unit (lamp on unit will light) or lift telephone handset and listen for dial tone. White line lamp associated with line key is lighted. Using TOUCH-TONE dial, depress number sign (#) and then the desired telephone number. When central office recognizes a video call, the line lamp will change from white to red.
- (2) Position self in front of display unit. When distant party answers, check image being transmitted by depressing VU SELF button on 72A control unit and adjust image by operating controls marked ZOOM and HEIGHT. Restore VU SELF button to normal.
- (3) When called party answers, BRIGHT and VOLUME controls may be used to adjust incoming signals.
- (4) Adjustments for size and position must be made by distant party.
- (5) When call is completed, depress OFF button on 72A control unit or hang up handset if off-hook.

**Intercom Call**

- (1) Depress line key associated with intercom line. Depress ON button on 72A control unit (lamp on unit will light) or lift handset and listen for dial tone (white line lamp is lighted).
- (2) Using TOUCH-TONE dial, depress number sign (#) and then the desired intercom number. Red line lamps at all intercom station appearances are lighted. Call proceeds as in (2) under central office call.

**Add-On Conference Call**

(1) Place existing central office call on hold and proceed as in (1) under intercom call. When called party answers, inform party of conference call and depress nonlocking add-on conference key. A 3-person audio conference and a 2-person video arrangement (depending on the line key depressed) is established. The video portion of the call can be switched at the controlling station by depressing the line key associated with the video station desired. The video station not selected will show a raster. To continue one conversation while terminating the other, depress the line key for the call to be retained, and momentarily depress the conference button.

(b) *To Answer a Video Call (Primary Station)*

**Central Office Call**

(1) In response to a distinctive audible signal (tone ringer) and flashing red line lamp, depress the associated line key on the key telephone set and the ON button on the 72A control unit (lamp on unit will light). If speakerphone operation is not desired, the call may be answered by lifting the handset.

(2) Position self in front of display unit. When necessary, check image being transmitted by depressing VU SELF button on display unit and adjust image by operating controls marked ZOOM and HEIGHT. If image appears dark, adjust by rotating control marked BRIGHT. Restore VU SELF button to normal; this returns distant party image to display screen. Use of graphic display is as described in single line station (c) (1) and (2).

(3) When call is completed, depress OFF button on 72A control unit or hang up handset if off-hook.

**Intercom Call**

The procedure for answering an intercom call is identical to answering central office call (1) through (3).

**Note:** Other stations associated with the system will be locked out while call is in progress.

(c) *To Originate a Video Call (Secondary station)*

**Central Office Call**

(1) Depress line key associated with video line. Lift handset and listen for dial tone (white line lamp associated with line key is lighted). Using TOUCH-TONE dial, depress number sign (#) and then the desired telephone number. When central office recognizes a video call, the line lamp will change from white to red.

(2) When called party answers, the secondary station has an audio only connection.

(3) The called party may be placed on HOLD if desired. Red line lamp will wink.

(4) Notify primary station that call is established.

(5) Primary station depresses line key associated with video call and goes off-hook turning on the display unit.

(6) Secondary station hangs up handset when red line lamp indicates call has been picked up at primary station.

(7) Call proceeds as in (b) (2).

**Intercom Call**

The procedure for originating an intercom call is identical to originating central office call (1) through (4).

(d) *To Answer an Incoming Video Call (Secondary Station)*

**Central Office Call**

(1) In response to an audible signal and flashing red line lamp, depress the associated line key on the key telephone set and go off-hook.

(2) Place calling party on HOLD and notify primary station of call.

(3) After primary station answers call, hang up handset.

**Intercom Call**

The procedure for answering an intercom call is identical to answering a central office call (1) and (2).