

# ABC Remote Radio

## Closure of Shortwave services on 31 January 2017

This information kit is designed to provide details on alternative ways to receive ABC radio services in the Northern Territory following the closure of shortwave ABC outback radio services. Information on safety in the Northern Territory while travelling in remote areas is also provided.

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# ABC Radio in the Northern Territory

ABC Radio is available in the following regions and frequencies.

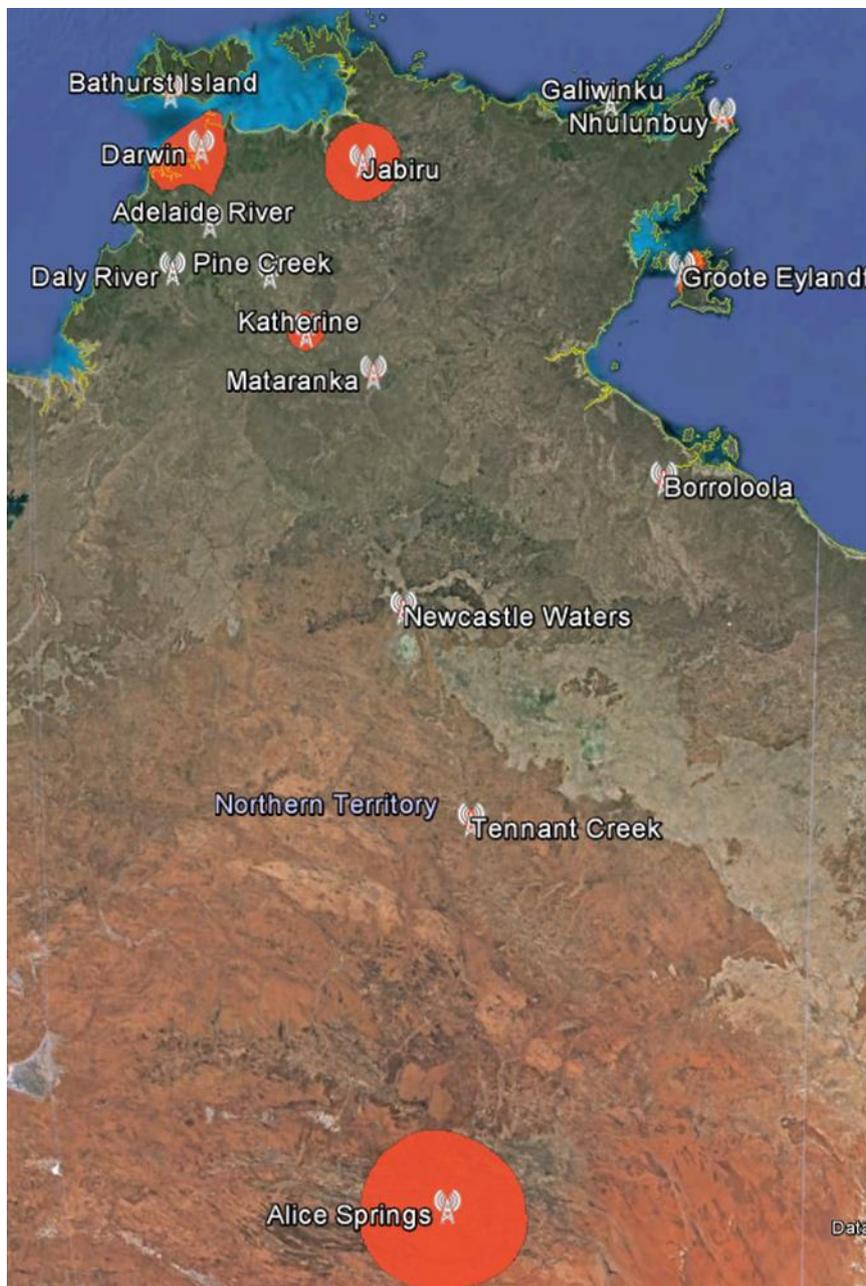
## AM and FM

### Local Radio

ABC Local Radio is available in the following areas:



Adelaide River	98.9 FM	FM
Alice Springs	783 AM	AM
Bathurst Island	91.3 FM	FM
Borrooloola	106.1 FM	FM
Daly River	106.1 FM	FM
Darwin	105.7 FM	FM
Galiwinku	105.9 FM	FM
Groote Eylandt	106.1 FM	FM
Jabiru	747 AM	AM
Katherine	106.1 FM	FM
Mataranka	106.1 FM	FM
Newcastle Waters	106.1 FM	FM
Nhulunbuy	990 AM	AM
Pine Creek	106.1 FM	FM
Tennant Creek	106.1 FM	FM



## Radio National

ABC Radio National is available in the following areas:



Adelaide River	100.5 FM	FM
Alice Springs	99.7 FM	FM
Bathurst Island	92.9 FM	FM
Borrooloola	107.7 FM	FM
Daly River	107.7 FM	FM
Darwin	657 AM	AM
Galiwinku	107.5 FM	FM
Groote Eylandt	107.7 FM	FM
Jabiru	107.7 FM	FM
Katherine	639 AM	AM
Mataranka	107.7 FM	FM
Newcastle Waters	107.7 FM	FM
Nhulunbuy	107.7 FM	FM
Pine Creek	107.7 FM	FM
Tennant Creek	684 AM	AM



triple j

ABC triple j is available in Alice Springs and Darwin:



Alice Springs	94.9 FM	FM
Darwin	103.3 FM	FM

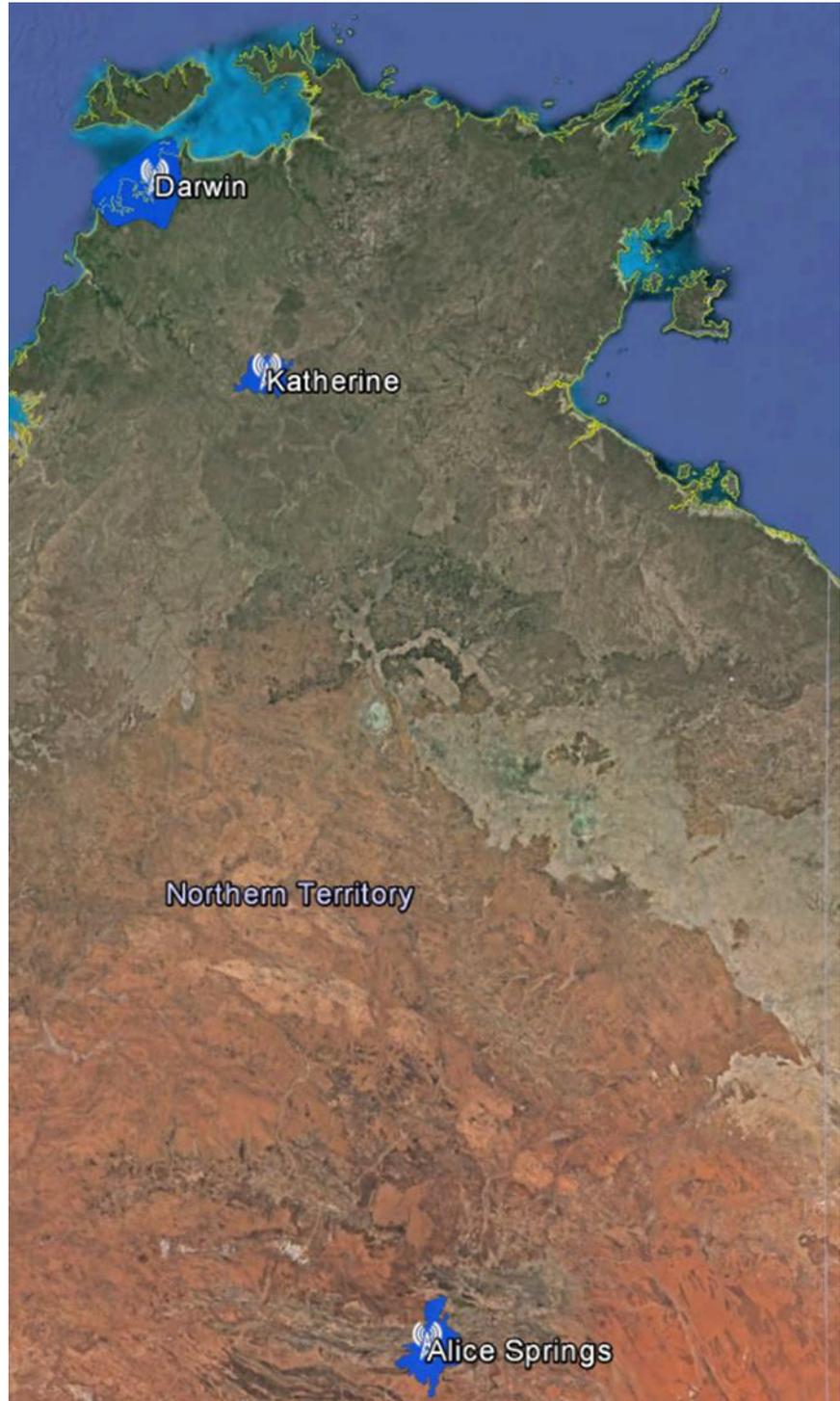


## NewsRadio

ABC NewsRadio is available in Alice Springs, Darwin and Katherine:



Alice Springs	104.1 FM	FM
Darwin	102.5 FM	FM
Katherine	105.3 FM	FM



## Classic FM

ABC Classic FM is available in Alice Springs and Darwin:



Alice Springs	97.9 FM	FM
Darwin	107.3 FM	FM



## Viewer Access Satellite Television (VAST)

Viewer Access Satellite Television (VAST) provides ABC television and radio services to viewers and listeners in remote areas of Australia who are unable to receive television and radio through their normal TV antenna due to local interference, terrain or distance from the transmitter in their area. Typically, consumers of VAST live in remote areas and homesteads without access to normal TV reception, and are travellers to remote regions using campervans, caravans, and mobile homes.

VAST is available to 100% of Australia's land mass including the islands. It was widely publicised by the Commonwealth Government as part of the Digital Switch Over in 2012 – 13. The system is subscription free and has over 400,000 users in regional and remote Australia since it commenced 2012.

ACMA has released information about the VAST service, accessible here: <http://www.acma.gov.au/Citizen/TV-Radio/Television/Viewer-Access-Satellite-TV-VAST/faq-viewer-access-satellite-television>

In addition to direct reception, the VAST service is in use in an estimated 75-100 locations in the NT, where one of the channels is re-broadcast on a self-help FM transmitter. These are not ABC services, but were funded by the government, with each able to be tuned to ABC local radio servicing the community of location.

In addition, the NBN SkyMuster satellite service provides broadband connectivity to regional and remote Australia (mainland Australia and Tasmania, and remote islands such as Norfolk Island, Christmas Island, Lord Howe Island and Cocos/Keeling Islands). Note: The Interim Satellite Service (ISS) will be shut down on 28th February 2017 with SkyMuster being the main replacement. This broadband is another way for people to access all online ABC radio services – including ABC Local Radio Darwin and ABC Local Radio Alice Springs.

To receive VAST ABC services, you will need a TV set, set top box receiver and small satellite dish. The VAST receivers and satellite dishes are available from several suppliers at a reasonable cost. To access VAST, you will need to buy a VAST certified satellite set top box and a satellite dish of at least 65cm diameter. Contact your satellite dish installer to determine the best dish size for your specific location. Access to VAST is controlled by the smart card supplied with your satellite set top box.

In the Northern Territory, ABC Radio services available on VAST are:

- ABC Darwin
- ABC Alice Springs
- Classic FM
- Radio National
- triple j
- NewsRadio
- ABC DIG
- ABC Jazz
- ABC Country
- ABC Digital Extra
- ABC Grandstand
- triple j Unearthed.

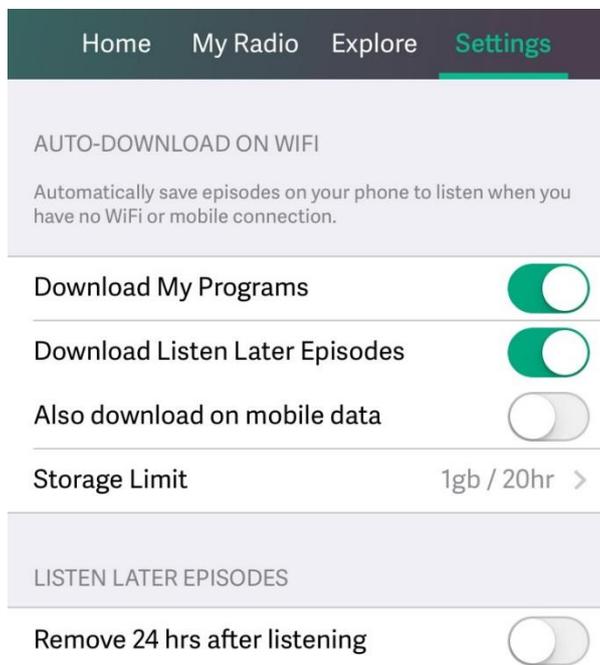
To gain more information on VAST please use the following link <https://www.myvast.com.au/>

## Podcasts and on-demand radio

The ABC makes many of its programs available for download and replay. When travelling through remote parts of Australia where streaming is not available due to poor mobile phone reception, programs can be downloaded in advance and listened to while on the road.

The ABC Radio App permits the listener to download individual ABC radio programs in advance. It is available for iPhone and Android.

To download audio content for later playback when offline, first go to the Settings tab on the ABC Radio App:



You can set the downloads to happen when you are on Wi-Fi or also download using your mobile data.

To download individual content, click on the Listen Later button:



More information is available at: <https://radio.abc.net.au/help/apps>

## Streaming

Information about ABC Radio services available for live streaming can be located here:

<https://radio.abc.net.au/help/streams>

ABC radio can be heard live wherever mobile phone reception is available. The following radio streams are available:

### ABC Radio Darwin

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/local\\_darwin.pls](http://www.abc.net.au/res/streaming/audio/mp3/local_darwin.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/local\\_darwin.pls](http://www.abc.net.au/res/streaming/audio/aac/local_darwin.pls)

### Alternative ABC Local Radio Services

Apart from the ABC Radio Darwin service, the following ABC Local Radio services are also available for streaming.

#### *ABC Adelaide*

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/local\\_adelaide.pls](http://www.abc.net.au/res/streaming/audio/mp3/local_adelaide.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/local\\_adelaide.pls](http://www.abc.net.au/res/streaming/audio/aac/local_adelaide.pls)

#### *ABC Alice Springs*

- [https://radio.abc.net.au/stations/local\\_alicesprings/live](https://radio.abc.net.au/stations/local_alicesprings/live)

### ABC Radio Emergency Information

- HLS: [http://www.abc.net.au/res/streaming/audio/hls/itinerant\\_one.m3u8](http://www.abc.net.au/res/streaming/audio/hls/itinerant_one.m3u8)
- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/itinerant\\_one.pls](http://www.abc.net.au/res/streaming/audio/mp3/itinerant_one.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/itinerant\\_one.pls](http://www.abc.net.au/res/streaming/audio/aac/itinerant_one.pls)

### ABC NewsRadio

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/news\\_radio.pls](http://www.abc.net.au/res/streaming/audio/mp3/news_radio.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/news\\_radio.pls](http://www.abc.net.au/res/streaming/audio/aac/news_radio.pls)

### Radio National (RN)

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/radio\\_national.pls](http://www.abc.net.au/res/streaming/audio/mp3/radio_national.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/radio\\_national.pls](http://www.abc.net.au/res/streaming/audio/aac/radio_national.pls)

### ABC Classic FM

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/classic\\_fm.pls](http://www.abc.net.au/res/streaming/audio/mp3/classic_fm.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/classic\\_fm.pls](http://www.abc.net.au/res/streaming/audio/aac/classic_fm.pls)

### ABC Classic 2

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/classic\\_two.pls](http://www.abc.net.au/res/streaming/audio/mp3/classic_two.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/classic\\_two.pls](http://www.abc.net.au/res/streaming/audio/aac/classic_two.pls)

### triple j

- MP3: <http://www.abc.net.au/res/streaming/audio/mp3/triplej.pls>

- AAC+: <http://www.abc.net.au/res/streaming/audio/aac/triplej.pls>

#### triple j Unearthed

- MP3: <http://www.abc.net.au/res/streaming/audio/mp3/unearthed.pls>
- AAC+: <http://www.abc.net.au/res/streaming/audio/aac/unearthed.pls>

#### Double J

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/dig\\_music.pls](http://www.abc.net.au/res/streaming/audio/mp3/dig_music.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/dig\\_music.pls](http://www.abc.net.au/res/streaming/audio/aac/dig_music.pls)

#### ABC Grandstand

- MP3: <http://www.abc.net.au/res/streaming/audio/mp3/grandstand.pls>
- AAC+: <http://www.abc.net.au/res/streaming/audio/aac/grandstand.pls>

#### ABC Jazz

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/abc\\_jazz.pls](http://www.abc.net.au/res/streaming/audio/mp3/abc_jazz.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/abc\\_jazz.pls](http://www.abc.net.au/res/streaming/audio/aac/abc_jazz.pls)

#### ABC Country

- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/abc\\_country.pls](http://www.abc.net.au/res/streaming/audio/mp3/abc_country.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/abc\\_country.pls](http://www.abc.net.au/res/streaming/audio/aac/abc_country.pls)

#### ABC Extra

- MP3: <http://www.abc.net.au/res/streaming/audio/mp3/extra.pls>
- AAC+: <http://www.abc.net.au/res/streaming/audio/aac/extra.pls>

#### A-League Live

- HLS: [http://www.abc.net.au/res/streaming/audio/hls/itinerant\\_two.m3u8](http://www.abc.net.au/res/streaming/audio/hls/itinerant_two.m3u8)
- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/itinerant\\_two.pls](http://www.abc.net.au/res/streaming/audio/mp3/itinerant_two.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/itinerant\\_two.pls](http://www.abc.net.au/res/streaming/audio/aac/itinerant_two.pls)

#### Special ABC Radio Stream 3

- HLS: [http://www.abc.net.au/res/streaming/audio/hls/itinerant\\_three.m3u8](http://www.abc.net.au/res/streaming/audio/hls/itinerant_three.m3u8)
- MP3: [http://www.abc.net.au/res/streaming/audio/mp3/itinerant\\_three.pls](http://www.abc.net.au/res/streaming/audio/mp3/itinerant_three.pls)
- AAC+: [http://www.abc.net.au/res/streaming/audio/aac/itinerant\\_three.pls](http://www.abc.net.au/res/streaming/audio/aac/itinerant_three.pls)

# Safety in the Northern Territory

## Driving in the NT

The Northern Territory government's driving safety checklist is available here: <https://nt.gov.au/driving/safety/driving-safety-checklist>

## Weather and Emergency Information

The Northern Territory government operates a website providing up-to-date alerts and information about cyclones and emergencies: <https://securent.nt.gov.au/>

Social media alerts, drawing information from:

- NT Police,
- NT Emergency Service,
- NT Fire and Rescue Service,
- Bureau of Meteorology,
- Bushfires NT,
- Power and Water Corporation NT,
- Department of Infrastructure, Planning and Logistics,
- Northern Territory Airports,
- Department of the Chief Minister and
- Department of Environment and Natural Resources

are also available from: <https://securent.nt.gov.au/alerts>.

## Communication

In remote parts of Australia, it is recommended that people carry devices that enable them to communicate with civilisation. There are three main ways of communicating while in the outback: satellite phones; two-way shortwave; and EPIRBs.

### Satellite Phones

These phones are a vital communications link in remote areas of Australia.

Satellite phones are available from the major Australian Telco's and specialist retail companies either through direct purchase, short or long term rental, and provision of a variety of voice and data plans. **Type 'satellite phones' into your internet search engine for more information.**

### Emergency Position Indicating Radio Beacons (EPIRBs)

These devices permit emergency services personnel to locate the user in the event of an emergency. Some EPIRBs also come with built-in GPS, which can provide more accurate location information.

EPIRBs are available from camping supply stores.

**Type 'EPIRB' into your internet search engine to locate the nearest supplier.**

### Two-Way Shortwave

Several organisations operate two-way shortwave services that enable people with specialised shortwave radios to communicate with each other. Some of these shortwave services also relay important safety information for travellers, such as weather and bushfire alerts.

For example:

- VKS-737 Radio Network ([www.vks737.on.net](http://www.vks737.on.net)) is a Public Benevolent Institution established to provide emergency and general radio communications assistance to people in rural and remote areas of Australia;

- VKE-237 HF Radio Club (<https://hfradioclub.com.au/>) is a non-profit organisation supplying shortwave radio communications services to all its members;
- VMS-469 Reids Radio Data (<http://www.reidsradiodata.com.au/>) provides a shortwave email service, a shortwave telephone service, and a shortwave two-way communication service;
- HF OZ (<http://www.hfoz.com.au/>), an organisation that provides two-way shortwave services, shortwave GPS position reporting, shortwave email, and shortwave SMS to mobile phone service;
- Austravel HF Radio Network (<http://www.austravelsafetynet.org.au/>), providing shortwave communications services to members.

Organisations that operate two-way shortwave services in remote Australia may be eligible to receive VAST equipment supplied by the ABC free of charge to assist in the communication of emergency broadcast information.

Organisations can contact the ABC requesting more details on [advice.reception@abc.net.au](mailto:advice.reception@abc.net.au)